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1920.

ANNUAL REPORT

ON THE

HEALTH

OF THE

CITY OF HEREFORD,

BY

J. W. MILLER, M.D., D.P.H.

BARRISTER-AT-LAW,

MEDICAL OFFICER OF HEALTH ;

MEDICAL SUPERINTENDENT OF THE CITY ISOLATION HOSPITALS ;

MEDICAL OFFICER TO THE MATERNITY AND CHILD WELFARE
CENTRE ; AND SCHOOL MEDICAL OFFICER.

HEREFORD :

Printed by The Hereford Times Limited, Maylord Street.



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CITY OF HEREFORD.

Health Committee :

Councillor G. A. C. THYNNE, *Mayor*.

Councillor J. MOORE, *Chairman*.

Alderman G. B. GREENLAND.

Councillor L. H. LUARD.

Alderman E. C. GURNEY.

Councillor W. PARLBY.

Councillor A. KEAR.

Councillor T. POWELL.

Councillor A. H. SMITH.

Maternity and Child Welfare Committee :

MEMBERS OF THE HEALTH COMMITTEE, with Alderman E. L. WALLIS (Chairman of the Care Committee), Mesdames BAKER, E. F. BULMER, JACKSON, G. MINES ; Miss YEOMANS.

Housing Acts Committee :

Councillor G. A. C. THYNNE, *Mayor*.

Alderman G. B. GREENLAND, *Chairman*

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Councillor W. PARLBY.

Councillor F. W. ALLCOCK.

Councillor R. H. SYMONDS-

Councillor G. ANDREWS.

TAYLER.

Councillor L. H. LUARD.

Councillor J. C. M. VAUGHAN.

R. BATTERSBY, *Town Clerk*.

Health Department—Staff :

<i>Medical Officer of Health</i>	—	J. W. MILLER, M.D., D.P.H.
<i>City Analyst</i>	— — —	W. T. RIGBY, F.I.C.
<i>Sanitary Inspector</i>	— —	S. PROTHEROE, Cert.R.San.Inst.
<i>Assistant Sanitary Inspector</i>	—	G. H. WILLIAMS, Cert.R.San.Inst.
		(Resigned March 27th, 1920).
<i>Health Visitors and School</i>	{	Miss G. CLARKE, Cert.R.San.Inst.
<i>Nurses</i> — — —		Cert. C.M.B.
		Miss H. BULLOCK, Cert. C.M.B.
<i>Clerk</i> — — —	—	Miss D. BURN.
<i>Junior Clerk</i> — —	—	C. WOOD.
<i>Matron of Isolation Hospital</i>	—	Miss C. BUDINGER.
<i>Disinfector</i> — — —	—	E. GOODE.
<i>Abattoir Superintendent</i> —	—	A. ENGLAND.



HEALTH OFFICE,

TOWN HALL, HEREFORD,

*April 18th, 1921.**To the Mayor, Aldermen, and Councillors of the City of Hereford.*

I have the honour to submit my Thirteenth Annual Report on the Health of the City for 1920, and also the Annual Report on School Medical Inspection, etc., for the same period.

Population. I have used the estimate of the Registrar General.

These rates can now be given fairly accurately,

Birth and and it is the first year since the War that it has
Death rates. been possible to do so.

The death-rate for the year was 11.2 per 1,000 of the population, which compares very favourably with the rate of 12.4 for England and Wales, and of 11.3 for the 148 smaller towns, of which Hereford is one.

The birth-rate was 22.3 per 1,000, compared with a rate of 25.4 for England and Wales, and 24.9 for the 148 smaller towns.

The infantile mortality rate was 70, compared with **Maternity and** 80 for England and Wales, and 80 for the 148
Child Welfare. smaller towns. With the exception of 1919, when the rate was 64, this is the lowest on record.

On pages 11-13, Annual Report for 1919, an account was given of the Maternity and Child Welfare Centre.

Scarlet Fever and Diphtheria were in epidemic form **Infectious** throughout England and Wales during 1920, and
Diseases. although the incidence of Scarlet Fever and Diphtheria was high, there were no deaths from Scarlet Fever, and only 2 deaths from Diphtheria.

It will be seen on page 14 that only one-third of **Vaccination.** the children born are vaccinated, a most unsatisfactory state of affairs.

The number of deaths from Consumption, 14 (.56 per 1,000) and from other forms of Tuberculosis 7 (.28 per 1,000) was the lowest on record for the City.

Attention was drawn on page 3 of the Annual Report for 1919 to matters still requiring attention, *e.g.*, Provision of Dustbins, Improvement in the Public Slaughter House, Swimming Baths, and other matters.

Maternity Home. An agreement has been made with the County Council for the joint use of Portfield House as a Maternity Home as soon as it is available.

The results of the Medical Inspection are given in the School Report. It is interesting to make a comparison with 1913, the year before the War. The particulars in regard to clothing, footgear, and other matters are as follows:—

UNSATISFACTORY CLOTHING.

		<i>Entrants.</i>		<i>Leavers.</i>	
		<i>Boys.</i>	<i>Girls.</i>	<i>Boys.</i>	<i>Girls.</i>
1913	...	15·6	14·3	11·6	7·3
1921	...	6·3	11·1	6·6	5·7

UNSATISFACTORY FOOTGEAR.

1913	...	16·1	14·9	12·0	8·1
1921	...	3·1	5·9	1·0	1·9

CLEANLINESS OF HEAD

(NITS ONLY).

1913	...	8·8	32·7	9·1	44·8
1921	...	3·8	24·3	6·6	39·7

There was less Malnutrition in 1920 as compared with 1913. The number of children (Leavers) with enlarged Tonsils and Adenoids was much reduced ; this was on account of the large number of children with defects who were operated on for their removal.

In the past it has been difficult to deal with these **Mentally Defectives.** children, but it is hoped that soon, through co-operation with other Authorities, it will be possible to retain a certain number of places in a Residential School.

Accommodation will shortly be available for treatment of children with Consumption and other forms of Tuberculosis under the County Council Scheme.

In conclusion, I desire to thank the members of the Staff of the Health and School Departments, and also of the Hospital, for their co-operation and assistance, and also the members of the Town Council, especially Chairmen of Committees, for their support.

I am, yours, etc.,

J. W. MILLER.

ANNUAL REPORT

OF THE

Medical Officer of Health

TO THE

TOWN COUNCIL, CITY OF HEREFORD,

FOR THE YEAR 1920.

PHYSICAL FEATURES, OCCUPATION, Etc.

An account of the physical features of the town was given in the Annual Report for 1908, pages 11-13. Particulars of the occupation of the inhabitants were given in the Annual Report for 1914, pages 7-11.

POOR RELIEF.

The amount of relief under the Hereford Union for the year ending 30th September, 1920, was £8,161 (in-door £4,596, out-door £3,565), and the average number of persons relieved was 419 (in-door 171, out-door 248). I am indebted for these particulars and also those in connection with Vaccination to J. Moore, Esq., Clerk to the Guardians.

POPULATION.

The population of the City, as estimated by the Registrar-General to the middle of 1920, is 24,944, and it is on this estimate that I have calculated the various rates for the year 1920.

An estimate of the population of the City on October 19th, 1920, obtained from Mr. J. Bricknell Webb, Executive Officer of the Ministry of Food, was 24,564.

BIRTHS.

During the year, 579 births were registered; of these, 22 were of outward transfers, viz.: 22 illegitimate (15 males and 7 females), of which 13 males and 6 females occurred in the home of St. Francesca, and 2 males and 1 female in the Workhouse.

The total net births belonging to the City were 557 (295 males and 262 females); 192 births belonged to the Ledbury Ward, 242 to the Leominster Ward, and 123 to the Monmouth Ward.

The birth-rate per 1,000 of the population is 22.3, compared with 16.8 for 1919.

The following were the birth-rates for England and Wales during 1920 :—

	<i>Per 1,000 of the Population.</i>
England and Wales	25.4
96 Great Towns, including London (<i>census population exceeding 50,000</i>)	26.2
148 Smaller Towns (<i>census population 20,000 to 50,000</i>)	24.9

There were 64 illegitimate births during the year, but 22 belonged to outside districts, and have been excluded.

The total number of illegitimate births for the City were 42 (26 males and 16 females) ; 16 occurred in the Ledbury Ward, 18 in the Leominster Ward, and 8 in the Monmouth Ward. The percentage of illegitimate to total net births was 7.5.

DEATHS.

The total number of deaths registered during the year was 354 ; of these, 51 were non-residents, and have been excluded, whilst 7 deaths of residents outside the City have been included.

The net number of deaths amounted to 310 (138 males and 172 females), equal to a recorded death-rate of 12.4 and standardized death-rate of 11.2 per 1,000 of the population.

The deaths for the different quarters were :—First quarter, 78 ; second quarter, 77 ; third quarter, 77 ; and fourth quarter, 78. The death-rates for England and Wales for 1920 were as follows :—

England and Wales	12.4
96 Great Towns, including London	12.5
148 Smaller Towns	11.3

Of the 51 deaths transferred to other districts, 49 belonged to Herefordshire, 1 to Radnorshire, and 1 to Birkenhead.

Forty-one deaths of non-residents occurred in the Herefordshire General Hospital, 7 in the Workhouse, and 3 in the town, but not in institutions.

Twenty-nine deaths of residents occurred in the Herefordshire General Hospital ; 16 in the Workhouse, and 2 deaths occurred in the County and City Mental Hospital, Burghill, Herefordshire.

Twelve deaths (4 males and 8 females) occurred at the age period 1–5 years, the causes of death were as follows :—Four males, viz., Tubercular Meningitis (1), Bronchitis (2), Pneumonia (1), and 8 girls viz., Bronchitis (3), Broncho-pneumonia (3), Appendicitis (1), and Marasmus (1).

Nine deaths occurred at the age period 5–10 years, viz., six males from Measles, Diphtheria, General Tuberculosis, Laryngitis, Broncho-pneumonia and Pleurisy; and 3 females from Whooping Cough, Heart Disease and Pneumonia.

Two deaths occurred at the age period 10–15 years, viz., one boy from Double Pneumonia, and another from Bronchitis.

The following Table shows the chief causes of death (86 per cent.) during 1920 :—

<i>Cause of Death.</i>	<i>Number.</i>	<i>Percentage.</i>
Respiratory Disease (including Bronchitis 40, Pneumonia 17)	60	19·3
Heart Disease	55	17·7
Old Age	33	10·6
Cancer	29	9·3
Cerebral Hæmorrhage (including Hemiplegia 3)	23	7·4
Tuberculosis (including Phthisis 14) ...	21	6·7
Affections produced by external causes...	12	3·8
Infectious Disease (other than Tuberculosis)	9	2·9
Atrophy, Debility, Marasmus	8	2·5
Inflammation of Kidneys	6	1·9
Convulsions	6	1·9
Congenital Malformations	6	1·9
Total	268	85·9

UNCERTIFIED DEATHS.

There were 3 uncertified deaths during 1920, viz., 3 males from Convulsions, aged 3 weeks, 25 days, and 19 hours respectively.

INQUESTS.

During the year, 15 inquests were held by the City Coroner on the deaths of residents, and the causes of death were as follows :—

Natural Causes—

Heart Disease 3

Accidents or Negligence—

Drowning 1

Injuries 8

Suicide—

Hanging 3

<i>No.</i>	<i>Age.</i>	<i>Sex.</i>	<i>Cause of Death.</i>	<i>Method of Feeding.</i>	<i>Kind of Bottle.</i>	<i>Total No. of Children.</i>	<i>No. of Children Dead.</i>
1	1 month	M.	Convulsions	Breast	—	2	1
2	13 days	M.	Broncho-pneumonia	"	—	2	1
3	2 months	M.	Marasmus	Condensed Milk	—	6	3
4	4 months	M.	Pneumonia	—	—	—	—
5	3 weeks	M.	Bronchitis	Breast	—	5	1
6	6 weeks	M.	Icterus Neonatorum	"	—	4	1
7	6 months	M.	Bronchitis	"	—	3	1
8	29 days	F.	Convulsions	"	—	1	1
9	2 months	F.	Bronchitis	"	—	1	1
10	3 days	F.	Premature Birth	"	—	4	1
11	17 days	M.	Bronchitis	"	—	2	1
12	10 days	F.	Malnutrition	"	—	6	1
13	4 days	M.	Bronchitis	"	—	1	1
14	6 months	M.	Broncho-pneumonia	"	—	1	1
15	14 weeks	F.	Marasmus	" Dried Milk	Boat	1	1
16	1 day	F.	Suffocation	Breast	—	1	1

INFANTILE MORTALITY.

During the year 1920, 39 deaths occurred of infants under one year, and the infantile mortality rate (proportion of deaths under one year to 1,000 births) was 70, compared with 64 for 1919.

The infantile mortality rate for England and Wales during 1920 was as follows :—

England and Wales	...	...	...	...	80
96 Great Towns, including London (population exceeding 50,000 at the Census of 1911)...					85
148 Smaller Towns (population from 20,000 to 50,000 at the Census of 1911)	...	...	...	...	80

Of the 39 deaths, 25 were of males and 14 of females ; 10 deaths occurred in the Ledbury Ward, 20 in the Leominster Ward, and 9 in the Monmouth Ward. Ten deaths occurred in the first quarter, 7 in the second quarter, 5 in the third quarter, and 17 in the fourth quarter.

Particulars of deaths under one year are given in Table IV (Appendix). In connection with 16 deaths, enquiries were made by the Health Visitors, the particulars are given in the preceding table.

NOTIFICATION OF BIRTHS ACT.

Under the Act, 600 notifications were received during the year, and of these 18 related to still-births—of 12 males and 6 females.

The particulars in regard to notifications were as follows :—

<i>By Doctor.</i>	<i>Midwife.</i>	<i>Doctor and Midwife.</i>	<i>Parent.</i>
14	579	8	7

Of the 582 births (excluding still-births), in five cases (.9 per cent.) no notification was received.

Visits were made by the Health Visitors in connection with the majority of the births. First visits were made in 502 cases, second visits in 439 cases, third visits in 389 cases, fourth visits in 294 cases, fifth visits in 187 cases, sixth visits in 74 cases, seventh visits in 35 cases, and eight visits and over in 22 cases. In some cases as many as 11 visits were made.

Forty-seven of the first, 106 of the second, and 84 of the third visits were made in connection with births notified at the end of 1919.

The following information was obtained in regard to infant feeding :—

	<i>Number.</i>	<i>Percentage.</i>
Breast fed	323	64.0
Breast and bottle-fed	58	11.5
Cows' milk and water	16	3.1
Cows' milk and barley water	11	2.1
Condensed milk	8	1.5
Patent foods	6	1.1
Dried milk	56	11.1

Of the children who were breast and bottle-fed concurrently, 28 received dried milk, 4 cows' milk and water, 2 cows' milk and barley water, 6 Virol, 4 condensed milk, 5 Patent Foods, 7 biscuits, 2 boiled bread.

In 17 cases the babies were breast-fed for a time, but this had been discontinued for the reasons and after the periods mentioned below :—

	1-2 Months.	2-3 Months.
Ill-health of mother ...	6	1
Insufficient breast milk ...	5	—
Mother went out to work ...	4*	1

**Illegitimate.*

Of the remaining children who were entirely hand-fed, in 28 cases the following reasons were given why breast-feeding had been discontinued :—

Ill-health of mother ...	16
No breast milk ...	11
Child put out to nurse ...	1

In 63 cases the children were sleeping in a cot or cradle, and in 13 cases in a basket.

Comforters or dummies were used in 61 cases.

The type of bottle was ascertained in 98 cases, and was as follows :—

Boat-shaped bottle ...	61
Bottle with long india-rubber tube ...	28
Both shaped bottles in use ...	9

INFANTS OVER 1 AND UNDER 5 YEARS.—There were 590 visits made in connection with infants over 1 year.

SANITARY CONDITIONS.—Note was made by the Health Visitors of any insanitary condition, overcrowding, etc. In 9 cases the houses were very dirty, in 12 cases dirty and untidy, and in 18 cases only fairly clean. In 6 houses the walls of the living room were damp. There were several cases of overcrowding, but these, with the exception of one case, had been previously reported, and owing to the shortage of houses it was decided to leave this matter over for the present.

MATERNITY AND CHILD WELFARE CENTRE.

During 1920 there was an average of 28 mothers with their children.

A full description of the Centre was given on pages 11—13, Annual Report for 1919.

In December several ladies kindly undertook to assist the mothers who attend the "Centre" in the cutting-out and making up of suitable garments.

II

We are indebted to those ladies who have kindly assisted at the Welfare Centre.

SALE OF DRIED MILK.—During the year, 2,095 pounds of dried milk have been sold at cost price, and 96 pounds were given free.

MATERNITY HOME.

Portfield House, which is the property of the Hereford Town Council, is to be used (as soon as the premises are vacated) jointly as a Maternity Home by the Hereford County and the Hereford Town Councils.

MATERNITY HOME OF ST. FRANCESCA.

No report has been received of the work of this institution. A grant of £25 was contributed by the Town Council during the year.

MILK (MOTHERS AND CHILDREN) ORDER, 1919.

Fifty-five families were supplied under this Order with $1\frac{1}{2}$ pints of milk daily for children under 5 years (in the majority of cases for infants under 1 year); in two cases expectant mothers were supplied with the same amount for a month.

The average number of children in each case was 4.5, and the average earnings 36s. per week, each family being supplied for an average of $8\frac{1}{2}$ weeks.

In 12 cases the fathers were discharged soldiers, and were receiving a pension; three of them were totally disabled. In 11 cases the fathers were out of work; in three cases they were on half time only; in three instances the father was dead. In two cases the children were illegitimate, and in one case the father suffered from mental disease, and was unable to earn a proper livelihood.

ZYMOTIC DISEASE.

The following Table shows the death-rate per 1,000 of the population of the City in 1920, from the various infectious diseases, compared with the rates for England and Wales for the same period :—

<i>Disease.</i>	<i>City of Hereford.</i>	<i>England and Wales.</i>	<i>96 Great Towns.</i>	<i>148 Smaller Towns.</i>
Smallpox	·00	·00	·00	·00
Scarlet Fever	·00	·04	·04	·03
Diphtheria	·08	·15	·16	·14
Typhoid Fever	·00	·01	·01	·02
Measles	·12	·19	·22	·19
Whooping Cough	·04	·11	·14	·10
Influenza	·16	·28	·31	·27
*Diarrhœa and Enteritis (under 1 year)	5·3	8·3	10·3	7·8

* *Rate per 1,000 births.*

SCARLET FEVER.

Sixty-one cases (27 males, 34 females), occurring in 51 houses, were notified during 1920, compared with 13 in 1919 and 18 in 1918.

Twenty-six of the cases belonged to Ledbury Ward, 21 to Leominster Ward, and 14 to Monmouth Ward.

Fifty-five of the cases were removed to Hospital. There were no deaths. There was one return case, viz., a girl aged 10 years who developed the disease on the fifth day after the discharge from Hospital of a brother aged 11 years; there was no history of nasal or of ear discharge after the return home of the brother.

On the whole the sanitary conditions were satisfactory. In connection with seven houses, there were insanitary conditions in connection with drainage and water-closets, and four of the same houses were in a dirty and unwholesome condition.

DIPHTHERIA.

Forty-six cases (24 males, 22 females), occurring in 41 houses, were notified during 1920, compared with 27 cases during 1919 and none in 1918. Fifteen of the cases belonged to Ledbury Ward, 18 to Leominster Ward, and 13 to Monmouth Ward.

Thirty-six of the cases were removed to the Isolation Hospital. There was one death in Hospital on the fourth day after admission, of a girl aged 6 years, admitted from the Hereford Rural District. There were no return cases.

Two boys, aged 5 and 7 years, died at home.

Seven phials of antitoxin, containing 2,000 units, and 7 containing 4,000 units, were supplied free to medical practitioners in the town, and were used for 11 cases of diphtheria.

The sanitary condition of the houses was on the whole satisfactory. In three of the houses the water-closets were defective and insanitary. At one house the drainage system was obstructed, and another house was in a dirty and unwholesome condition.

ERYSIPELAS.

Eleven cases (4 males, 7 females) were notified during 1920, compared with 10 in 1919 and 16 in 1918. Ten cases occurred in 10 houses, two in Ledbury Ward, five in Leominster Ward, and three in Monmouth Ward. One was notified from the Union Infirmary.

One house was in a dirty and dilapidated condition, and at another the walls were damp through defective roofs and spouting.

PUERPERAL FEVER.

Five cases were notified during the year, females aged 18, 21, 25, 29 and 31 years—two in Ledbury Ward, and three in Leominster Ward—compared with two in 1919. There were two deaths, at the ages of 25 and 31 years. The sanitary conditions of the houses and drainage were satisfactory.

TYPHOID FEVER.

There were two cases during the year (1 male and 1 female), in Ledbury and Leominster Wards; both recovered. The sanitary conditions at both houses were satisfactory.

ENCEPHALITIS LETHARGICA, CEREBRO SPINAL FEVER AND ACUTE POLIOMYELITIS.

No notifications were received during the year.

OPHTHALMIA NEONATORUM.

One case was notified during the year (male, aged 5 days) in Ledbury Ward.

MEASLES.

Three deaths occurred from the disease, of two males, aged 4 months and 8 years respectively, and a female, aged 2 years; in each case Pneumonia occurred as a complication.

WHOOPIING COUGH.

A death occurred of a female at the age of 6 years ; the disease was complicated by Broncho-pneumonia.

SMALL POX.

There were no cases during the year. Out of 594 infants born during the year ending September, 1920, only 204 (34.3 per cent.) were vaccinated ; in addition, 12 were vaccinated at age of one year and upwards. There were also three re-vaccinations. No vaccinations were carried out by the Medical Officer of Health.

It is only by vaccination and re-vaccination that a community can be protected against Small-pox. Unvaccinated persons are a danger to the community.

Small-pox is often spread by vagrants and caravan dwellers, and should the disease occur in an un-vaccinated community the disease spreads rapidly and causes a high mortality, especially in young children.

INFLUENZA.

There were four deaths from Influenza, viz., of a male aged 28 years, and 3 females, aged 45, 58 and 61 years. One death occurred during each quarter of the year ; in two cases the disease was complicated by Pneumonia, and in the remaining two by Nephritis and Encephalitis respectively.

THE PUBLIC HEALTH (PNEUMONIA, MALARIA, DYSENTERY, Etc.) REGULATIONS, 1919.

During the year 13 notifications were received as follows :—

MALARIA.—One case (male, aged 34 years), a demobilised soldier, who had contracted the disease overseas.

DYSENTERY.—Three cases (males, aged 26 (2) and 30 years), demobilised soldiers, who had contracted the disease overseas.

ACUTE PRIMARY PNEUMONIA.—Eight cases occurred in 8 houses, viz., 3 males, aged 25, 36 and 48 years, and 5 females, aged 27 (2), 48, 62 and 63 years ; the last case died.

ACUTE INFLUENZAL PNEUMONIA.—One case (female, aged 45 years), which proved fatal.

RESPIRATORY DISEASES.

There were nine deaths (5 males and 4 females) from Broncho-pneumonia, and eight deaths (5 males and 3 females) from other forms of Pneumonia. One death of a male occurred from Congestion of the Lungs, and one death of a male from Pleurisy and Pneumonia. There were 40 deaths (18 males and 22 females) from Bronchitis. Particulars in regard to age periods and Wards are given in Table A (Appendix).

HEART DISEASE.

There were 55 deaths (19 males and 36 females) from this disease. Nine deaths occurred up to the age of 45 years; 13 occurred at the period 75—85 years, and three at the period 85 years and upwards.

OLD AGE.

There were 33 deaths (13 males and 20 females) attributed to this cause. Fourteen occurred at the age period 75—85 years, and 13 at the age period 85 years and upwards.

ALCOHOLISM.

There were no deaths attributed to this disease, but two deaths of a male and a female occurred from Cirrhosis of the Liver. Excessive consumption of alcohol is responsible for a distinct proportion of the deaths from diseases of the Kidneys, the Circulatory System, and of the Nervous System.

VENEREAL DISEASE.

No deaths occurred from this disease.

CANCER.

There were 29 deaths from this disease of 11 males and 18 females. Particulars in regard to age and Wards in which the deaths occurred, are given in Table A (Appendix). The parts affected were as follows:—

<i>Part.</i>	<i>Males.</i>	<i>Females.</i>	<i>Total.</i>
Throat... ..	1	—	1
Buccal Cavity ...	2	—	2
Oesophagus	1	—	1
Stomach	3	3	6
Omentum	—	1	1
Liver	—	3	3
Caecum	—	1	1
Colon	1	1	2
Sigmoid Flexure ...	2	1	3
Rectum	1	—	1
Breast	—	4	4
Uterus	—	3	3
Unspecified	—	1	1
Totals	11	18	29

Further reference to this disease is made on pages 42 and 43, Annual Report for 1911, and page 39, Annual Report for 1913; in the latter Report an account is given of the predisposing causes of the disease.

PHTHISIS.

Sixty-two notifications of Phthisis were received under the Public Health (Tuberculosis) Regulations, 1912.

Thirty-five were received from private practitioners, one from the Tuberculosis Dispensary, 10 from Knightwick Sanatorium, 5 from Cranham Lodge Sanatorium, 3 from the Herefordshire General Hospital, 2 from the Union Infirmary, and 6 from the School Medical Officer. The notifications were in respect to 34 males and 28 females.

The ages in years of the cases notified were as follows:—

5—10		10—15		15—20		20—25		25—35	
M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
4	3	2	3	1	2	8	6	10	4
35—45		45—55		55—65		65—75			
M.	F.	M.	F.	M.	F.	M.	F.		
5	5	3	2	—	3	1	—		

Of the 34 males notified, 7 died within the year, and the period after notification was as follows:—1 day (2), 2 weeks, 3 weeks, 5 weeks, and 6 weeks. One was notified after death.

Of the 28 females notified, 8 died within the year, and the period after notification was as follows:—3 weeks, 6 weeks, 7 weeks, and 10 weeks. Four were notified after death.

OCCUPATIONS.—These were as follows:—

Males.—Labourers 3, carters 2, blacksmith's striker 1, munition workers 2, joiner 1, painters 2, miner 1, builder 1, chauffeur 1, marine store dealer 1, wool sorter 1, dairyman 1, dental mechanic 1, shop assistants 3, commercial traveller 1. One was of independent means, 5 were of no occupation, one was a boy aged 14 years from a training ship, and 5 were school boys. Seventeen of the adults were discharged soldiers, and one was a discharged sailor.

Females.—Nursemaids 2, waitress 1, tailoress 1, milliner 1, bookkeeper 1, printer's binder 1, school teacher 1. One was of independent means, 2 were of no occupation, 11 were engaged in house work, and 6 were schoolgirls.

OTHER FORMS OF TUBERCULOSIS.

NOTIFICATIONS.

Under the Public Health (Tuberculosis) Regulations, 1912, 13 notifications were received (eight from the Herefordshire General Hospital, one from the Union Infirmary, one from the Mildmay Mission Hospital, Bethnal Green, two from private practitioners, and one from the School Medical Officer).

The ages of the cases were as follows:—

Males—2, 7, 8, 9, 13, 21 and 25 years.

Females—4, 15, 18, 19, 36 and 38 years.

The parts affected were as follows :—

Glands of neck—

Male, aged 8 years.

Larynx—

Female, aged 38 years.

Peritoneum—

Male, aged 9 years.

Meninges—

Males, aged 2 (died) and 25 years (died).

Female, aged 4 years (died).

Spine—

Male, aged 7 years.

Female, aged 19 years.

Hips and Spine—

Female, aged 36 years.

Left Hip—

Male, aged 21 years.

Leg—

Female, aged 15 years.

Joints—

Female, aged 18 years.

Right Hand—

Male, aged 13 years.

CONTROL OVER TUBERCULOSIS.

Every notified case was visited and investigations made ; the particulars are as follows :—

PHTHISIS.—In 35 cases, 1 visit ; in 19 cases, 2 visits ; in 11 cases, 3 visits ; in 5 cases, 4 visits ; in 2 cases, 5 visits. In addition 226 visits were made in connection with cases notified previous to 1920, as follows :—In 48 cases, 1 visit ; in 33 cases, 2 visits ; in 28 cases, 3 visits ; in 7 cases, 4 visits. Total, 362.

During the year 49 cases were treated at Sanatoria as follows :—Knightwick, 21 (13 males and 8 females) ; Cranham Lodge 15 (14 males and 1 female) ; Sevenoaks, Kent, 6 (2 males and 4 females) ; Church Army, Fleet, 4 (3 males and 1 female) ; Harpenden 2 (males) ; and Baschurch 1 (male).

TUBERCULOSIS (OTHER FORMS).—In 7 cases, 1 visit ; in 2 cases, 2 visits ; in 2 cases, 3 visits. In addition, 18 visits were made in connection with cases notified previous to 1920, as follows :—In 6 cases, 1 visit ; in 4 cases, 2 visits ; in 1 case, 4 visits. Total, 35.

CITY HOSPITALS.

There is accommodation in the Isolation Hospital for 16 cases of Scarlet Fever and 16 cases of Diphtheria ; there are also several beds available for cases of Enteric Fever, etc. There are 12 beds in the Small Pox Hospital.

At the end of 1919 there were 9 cases in the Isolation Hospital (Scarlet Fever 2, Diphtheria 5, and Diphtheria Contacts 2). During the year 104 cases (Scarlet Fever 55, Diphtheria 36, and Diphtheria Contacts 13) were admitted.

ISOLATION HOSPITAL, 1920.

DISEASE.	Patients remaining in Hospital on January 1st, 1920.			Patients Admitted and Discharged in 1920.			Patients remaining in Hospital on January 1st, 1921.			Total Number *Discharged.	Average Days in Hos-pital.	Total Deaths.	Average Days in Hos-pital.
	Total.	Re-covered.	Died.	Total.	Re-covered.	Died.	Total.	Re-covered.	Died.				
Scarlet Fever ...	2	2	—	51	51	—	4	4	—	53	38	—	—
Diphtheria ...	5	5	—	31	30	1†	6	6	—	35	34	1	4
Diphtheria Contacts	2	2	—	13	13	—	—	—	—	15	31.7	—	—
TOTALS ...	9	9	—	95	94	1	10	10	—	103	36‡	1	4

* Including those admitted in 1919 and discharged in 1920.

† Admitted from Hereford Rural District.

‡ Excluding Diphtheria Contacts

The particulars in regard to complications and sequelæ are as follows :—

SCARLET FEVER.

Ear Discharge (one ear)	...	3
Mastoid Disease	... ..	1
Bronchitis	... ..	3
Nasal Catarrh	... ..	1
Rheumatism	... ..	3
Dilated Heart	... ..	1
Ulceration left Tonsil	... ..	1
Abscess right side of Neck	...	1

Four children suffered from enlarged tonsils and adenoids, viz. :—Two boys, aged 6 years, and two girls, aged 7 and 11 years respectively. The two girls suffered from ear discharge as a complication.

DIPHTHERIA.

Paralysis affecting the Heart	...	14
„ „ „ Palate	...	4
„ „ „ Muscles of left Eyeball	...	1
Laryngitis	... ..	1
Bronchitis	... ..	1
Ear Discharge	... ..	1
Conjunctivitis and Inflammation of Cornea (one eye)	... ..	2
Nasal Catarrh	... ..	1
Nephritis	... ..	1

A boy, aged $3\frac{1}{2}$ years, had enlarged Tonsils and Adenoids. The following are particulars of injection of antitoxin :—

Cases injected on 2nd day of disease	10
„ „ 3rd „ „ „	10
„ „ 4th „ „ „	4
„ „ 5th „ „ „	3
„ „ 6th „ „ „	2
„ „ 7th „ „ „	1
„ „ 8th „ „ „	2
„ „ 9th „ „ „	2
„ „ 11th „ „ „	1
„ „ 15th „ „ „	1

DIPHTHERIA CONTACTS.—Thirteen were admitted from 10 houses ; there were 3 from one house and 2 from another house.

DISINFECTION.

The following are particulars in regard to disinfection of rooms and bedding, etc. :—

<i>Disease.</i>		<i>Rooms.</i>		<i>Bedding, etc.</i>
Scarlet Fever ...	...	60	...	59
Diphtheria ...	...	44	...	37
Typhoid Fever ...	...	2	...	1
Puerperal Fever ...	...	2	...	3
Erysipelas ...	...	1	...	1
Phthisis ...	...	26	...	9
Other Diseases ...	...	15	...	10
		—		—
		150	...	120
		—		—

The whole of the rooms were disinfected with Formalin Vapour, and the bedding, etc., were disinfected by steam ; in addition, a school was disinfected with Formalin Vapour after Scarlet Fever.

LABORATORY WORK.

The following are the results of the Bacteriological examinations of specimens examined at the County and City Laboratory :—

			<i>Positive.</i>	<i>Negative.</i>	<i>Total.</i>
For Diphtheria Bacilli ...	...	...	260	465	725
„ Widal reaction of Typhoid ...	...	...	1	1	2
„ „ Para-Typhoid A. ...	...	...	—	1	1
„ „ Do. B. ...	...	...	1	—	1
„ Tubercle Bacilli—					
1. Sputum ...	...	...	12	85	97
2. Urine ...	...	...	—	2	2
3. Pus ...	...	...	—	1	1
„ Gonorrhœa ...	...	...	—	3	3
„ Albumen in Urine ...	...	...	1	1	2
„ Pus—					
1. Staphylococcus ...	...	...	1	—	1
2. Pneumonia Organisms ...	...	...	1	—	1
„ Bacilli of Black Leg (Quarter Evil)—					
1. Hind quarter of calf ...	...	...	1	—	1
2. „ „ of bullock ...	...	...	—	1	1
			—	—	—
Totals ...	...	...	278	560	838
			—	—	—

WATER ANALYSIS.

During the year, four samples of well water from two wells were examined at the County and City Laboratory. In one case

the results were not good, but after the well had been cleaned out, it was considered fit for drinking purposes after a further analysis.

Four samples of the City water were taken from the main supply, and examined bacteriologically, also one from a storage tank at a private house; the results were satisfactory.

COMMON LODGING HOUSES.

There is only one registered Common Lodging House in the City, No. 7, Little Berrington Street, with accommodation for 16 males. The premises have been kept in a clean condition. It was registered on December 21st, 1875.

HOUSING.

Full particulars in regard to—

1. General housing conditions in the district.
2. Overcrowding.
3. Fitness of houses.
4. Unhealthy areas.
5. Bye-laws relating to houses, to houses let in lodgings, and to tents, vans, sheds, etc.
6. General and miscellaneous.

were given on pages 25 to 28 inclusive of the Annual Report for 1919, and other details are given below:—

HOUSING CONDITIONS.

STATISTICS—Year ended 31st December, 1920.

I.—GENERAL.

(1) Estimated population	...	...	...	...	...	24944
(2) General death-rate	...	...	...	...	...	12.4
(3) Death-rate from tuberculosis	...	...	...	...	...	8.4
(4) Infantile mortality	...	...	...	...	...	70
(5) Number of dwelling-houses of all classes	...	...	...	...	...	5280
(6) Number of working-class dwelling-houses	...	...	...	...	...	4301
(7) Number of new working-class houses erected	...	...	...	...	...	49

2.—UNFIT DWELLING-HOUSES.

I.—INSPECTION.

(1) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	...	...	...	...	...	76
(2) Number of dwelling-houses which were inspected and recorded under the Housing (Inspection of District) Regulations, 1910	...	...	...	...	...	26
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	...	...	...	...	...	1
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	...	...	...	...	...	25

II.—REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	30
--	----

III.—ACTION UNDER STATUTORY POWERS.

A. *Proceedings under Section 28 of the Housing, Town Planning, etc., Act, 1919.*

(1) Number of dwelling-houses in respect of which notices were served requiring repairs	16
(2) Number of dwelling-houses which were rendered fit—	
(a) by owners	10
(b) by Local Authority in default of owners ...	—
(3) Number of dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close ...	—

B. *Proceedings under Public Health Acts.*

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	60
(2) Number of dwelling houses in which defects were remedied—	
(a) by owners	30
(b) by Local Authority in default of owners ...	—

C. *Proceedings under Sections 17 and 18 of the Housing, Town Planning, etc., Act, 1909.*

(1) Number of representations made with a view to the making of Closing Orders... ..	—
(2) Number of dwelling-houses in respect of which Closing Orders were made	—
(3) Number of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit... ..	—
(4) Number of dwelling-houses in respect of which Demolition Orders were made	—
(5) Number of dwelling-houses demolished in pursuance of Demolition Orders	—

3.—UNHEALTHY AREAS.

Areas represented to the Local Authority with a view to Improvement Schemes under (a), Part I., or (b), Part II., of the Act of 1890 :—

(1) Name of area	} Nil.
(2) Acreage	
(3) Number of working-class houses in area... ..	
(4) Number of working class persons to be displaced	

4.—Number of houses not complying with the building bye-laws erected with consent of Local Authority under Section 25 of the Housing, Town Planning, etc., Act, 1919

5.—Staff engaged on housing work with, briefly, the duties of each officer. There is no special officer for housing work, the Sanitary Inspector is designated as the officer to act under the Housing (Inspection of District) Regulations, 1910.

INCREASE OF RENT AND MORTGAGE INTEREST (RESTRICTIONS) ACTS, 1919 AND 1920.

Under the Act of 1919 (which was repealed on 2nd July, 1920), 13 Certificates were granted on the application of the tenants of houses, who had been served with notices of their landlord's intention to increase their rent, one on the ground that the house was not reasonably fit for human habitation, and 12 that the houses were not kept in a reasonable state of repair.

Under the Act of 1920, 28 Certificates were granted, one on the ground that the house was not in all respects reasonably fit for human habitation and 27 that the houses were not in a reasonable state of repair.

NEW HOUSES.

The number of new houses and other buildings for which plans were approved during the year was:—

	<i>Ledbury</i>	<i>Leominster</i>	<i>Monmouth</i>	
	<i>Ward.</i>	<i>Ward.</i>	<i>Ward.</i>	<i>Total.</i>
For Working Classes ...	—	—	—	—
For others ...	2	3	2	7
Other Buildings ...	17	8	3	28.
The number completed was—				
*For Working Classes ...	1	2	46	49
Other Buildings ...	12	14	4	30

FACTORIES AND WORKSHOPS.

During the year, 14 notices were served requiring contraventions of the Factory and Workshop Act, 1901, to be remedied, and all were complied with.

Twelve notices were received from His Majesty's Inspector of Factories, viz., 10 of occupation of workshops (three of which were previously on the Register), one for want of limewashing of a bakehouse, and one for a workshop.

During the year a bakehouse has been disused and converted into a motor garage, leaving four Factory Bakehouses and 25 Workshop Bakehouses on the Register.

HOME WORK.

During the year in February and August, 102 circular letters, together with forms drawing attention to the requirements of the Home Work Order, were sent to employers, and these were returned duly filled up. Nine addresses outside the City were sent to the districts concerned, and one was received.

No Notices or Orders under Sections 108 and 110 of the Factory and Workshop Act, 1901, prohibiting the sending out or the receiving of work in unwholesome or infected premises were necessary during the year.

* Of the 232 houses being erected under the Corporation Housing Scheme, 20 were completed and occupied at the end of the year—Breinton Avenue, 16; Ross Road, 4.

REPORT FOR 1920.

Factories, Workshops, Workplaces & Homework.

I.—INSPECTION.

(Including Inspections made by Sanitary Inspector).

PREMISES.	NUMBER OF		
	In- spections.	Written Notices.	Prose- cutions.
FACTORIES (Including Factory Laundries)	14	3	—
WORKSHOPS (Including Workshop Laundries).	143	7	—
WORKPLACES	40	4	—
TOTAL	197	14	—

2.—DEFECTS FOUND.

PARTICULARS.	NUMBER OF DEFECTS.			Number of Prosecu- tions.
	Found.	Re- medied.	Referred to H.M. In- spector.	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of cleanliness	3	3	—	—
Want of ventilation	—	—	—	—
Overcrowding	—	—	—	—
Want of drainage of floors	—	—	—	—
Other nuisances	4	4	—	—
Sanitary accommodation —				
Insufficient	—	—	—	—
Unsuitable or defective	2	2	—	—
Not separate for sexes	—	—	—	—
<i>Offences under the Factory and Work- shop Act :—</i>				
Illegal occupation of underground bakehouse (s. 101)	—	—	—	—
Breach of special sanitary require- ments for bakehouses (ss. 97 to 100)	5	5	—	—
Other offences	—	—	—	—
TOTAL	14	14	—	—

*Including those specified in Sections 2, 3, 7 and 8 of the Factory and Workshop Act as remediable under the Public Health Acts.

3.—HOMEWORK.

3. HOMEWORK.

NATURE OF WORK.	OUTWORKERS' LISTS, SECTION 107.								
	Lists received from Employers.						Notices served on Occu- piers as to keeping or sending lists.	Outwork in In- fected Premises. Sections 109, 110.	
	Twice in the year.			Once in the year.				In- stances.	Orders made (s. 110)
	Lists.†	Outworkers.†		Lists.	Outworkers.				
		Con- tr'e'rs.	Work- men.		Con- tr'e'rs.	Work- men.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(14)	(15)
Wearing Apparel- Making, &c. ...	54	—	105	1	—	1	77	—	—
Furniture and Upholstery ...	4	—	6	—	—	—	4	—	—
Sacks ...	18	—	4	—	—	—	21	—	—
Total ...	76	—	115	1	—	1	102	—	—

† The figures given in columns 2, 3, and 4 are the *total* number of lists (received from employers who sent them both in February and August as required by the Act), and of the entries of names of outworkers in those lists.

4.—REGISTERED WORKSHOPS.

Workshops on the Register (s. 131) at the end of the year							Number.
Workshops, Bakehouses	...	...	...	...	...	...	25
„ Domestic	...	...	...	...	...	...	17
„ Laundries	...	...	...	...	...	...	3
„ Dressmaking and Millinery	...	...	...	...	...	...	29
„ Tailoring	...	...	...	...	...	...	12
„ Boot Repairing	...	...	...	...	...	...	10
„ Saddlery	...	...	...	...	...	...	9
„ Blacksmiths	...	...	...	...	...	...	12
„ Motor and Cycle Repairing	...	...	...	...	...	...	12
Miscellaneous	...	...	...	...	...	...	55
Workplaces	...	...	...	...	...	...	56
Total number of workshops on Register							240

5.—OTHER MATTERS.

CLASS.	Number.
Matters notified to H.M. Inspector of Factories :—	
Failure to affix Abstract of the Factory and Workshop Act (s. 133) ...	—
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5, 1901) ...	2
Notified by H.M. Inspector ...	3
Reports (of action taken) sent to H.M. Inspector ...	—
Other ...	—
Underground Bakehouses (s. 101) :—	
Certificates granted during the year ...	—
In use at the end of the year ...	1

DAIRIES, COWSHEDS AND MILKSHOPS.

There were the names of 16 persons on the Register who kept dairies, 18 who had cowsheds, and 16 who kept milk stores or retail milkshops at the end of 1920.

In addition, 47 purveyors of milk are registered, of whom 19 bring milk from outside the City.

During the year 4 applications for registration were granted, 2 as purveyors, 1 for milkshop (transfer), and 1 as purveyor from outside the City.

In May and October the usual circular letters were sent, drawing attention to the regulations requiring the limewashing of dairies and cowsheds.

PUBLIC ABATTOIR.

The following are particulars of the number of animals slaughtered or deposited in the Public Abattoir during the year :—

Beeves, 1,675 ; Calves, 760 ; Sheep, 6,457 ; Lambs, 1,274 ; Pigs (pork), 939 ; Pigs (bacon), 266 ; Goat, 1 ; total, 11,372, as compared with 20,661 in 1919, and 12,567 in 1918.

The City Abattoir was under the control of the Ministry of Food from September, 1918, to July 3rd, 1920.

All diseased meat is sent to the Public Destructor to be burnt, and only ill-bled, emaciated and injured carcasses are retained ; these are boned out and boiled and the flesh used for pig-food ; the amount realised for bones and pig-food during the year was £10 15s. 10d.

DISEASED CARCASSES.—The following diseased conditions were found in animals at the Abattoir during the year :—

Cows—

Tuberculosis (general)	5
Emaciation	5
Emaciated and ill bled	1
Injury to head	1
Injury to hind-quarter	2
Injury to intestines and other organs ...	1
Abscesses in liver	1
Cysts in liver	2

Bulls—

Ill-set	1
Pleuro-pneumonia	1

Heifers—

Black-leg	1
------------------	---

Bullocks—

Inflammation of tissues of lower jaw...	...	1
Black-leg ... ..	...	1
Injury to internal organs	...	1
Congestion of lungs	...	1

Calves—

Ill-bled and decomposed	...	1
Obstruction of bowels	...	1
Black-leg ... ..	...	1

Sheep—

Decomposed	...	1
Emaciated and ill-set	...	1
Pleuro-pneumonia	...	3
Abscesses in lungs and pleurisy	...	2
Metritis and peritonitis	...	1
(associated with parturition)		
Enteritis and peritonitis	...	1
Injury to fore-quarter	...	1

Lambs—

Injury to carcass	...	1
-------------------	-----	---

Pigs—

Swine erysipelas ... ..	...	1
Enteritis and peritonitis	...	1
Congestion of lungs and other organs	...	1

OTHER UNSOUND FOOD.—The following unsound food was voluntarily surrendered for destruction :—

30 hundredweight 2 quarters 21½ pounds of frozen beef, 38 hundredweight 3 quarters 14½ pounds of frozen mutton and lamb, 17 pounds of imported liver, 3¼ pounds of ham, 4 pounds of sausages, 12 pork pies, 3 pounds of butter, and 4 tons 14 pounds of potatoes ; FISH—consisting of one barrel of herrings, 98 pounds of bloaters, 12½ pounds of kippers, one hundredweight of haddock, 4 hundredweight of coal fish, and 38 crabs ; PRESERVED FOOD STUFFS—consisting of 48 tins of corned beef, 39 tins of tongue, one tin of ox cheek, one tin of spaghetti, 2 pots of cream, one pot of honey, 145 tins of condensed milk, 135 tins of tomatoes, 46 tins of fruit, 26 tins of jam, 4 pots of marmalade, 118 tins of fish and one bottle of onions.

PIG STYES.

Unless pigs are kept under proper conditions, nuisances are likely to arise from time to time. Periodical visits have been made in connection with pig styes.

FOOD PREPARING PLACES.

In addition to the restaurant kitchens and bakehouses, which are inspected under the Factory and Workshop Act, sausages and other meat products are made at or in connection with all the butchers' shops in the City. There are also 10 fried fish shops and 4 tripe boiling premises. It has not been necessary to draw attention to the want of cleanliness in regard to any of them.

OFFENSIVE TRADES.

During the year, tripe boiling was discontinued at three premises, and consent to establish a business at premises situated at the Public Abattoir was granted. There are now 4 Tripe Boilers, 1 Gut Scraper, and 2 Hide and Skin Depots in the City. On the whole they have been conducted in a satisfactory manner. The gut scraping premises, which are situated at the Public Abattoir, were under re-construction at the end of the year.

SALE OF FOOD AND DRUGS ACTS.

In the subjoined report, Mr. Protheroe, as Inspector under the Acts, states the number of articles submitted to the Public Analyst during 1920.

The following table shows the number and nature of the articles submitted to the Public Analyst for analysis during the year ended 31st December, 1920, and the result of the analysis:—

<i>Articles.</i>	<i>Number Purchased.</i>		<i>Number Genuine.</i>		<i>Number Adulterated.</i>	
	Formal	Informal	Formal	Informal	Formal	Informal
Milk	5	12	3	9	2	3
Butter	5	5	5	5	—	—
Lard	—	1	—	1	—	—
Cheese	—	5	—	5	—	—
Coffee	—	3	—	3	—	—
Pepper	—	2	—	2	—	—
Rice	—	4	—	4	—	—
Tea	—	1	—	1	—	—
Egg Powder ...	—	2	—	2	—	—
Baking Powder ...	—	2	—	2	—	—
Totals	10	37	8	34	2	3
	47		42		5	

OBSERVATIONS.

MILK.—Of the 5 “formal” samples, 3 were certified as genuine and of good quality; and 2 as containing 5.5 per cent. of added water. The vendor was cautioned.

Of the 12 “informal” samples, 3 were genuine; 1 was low in fat, the percentage being 2.95 per cent.; 2 were of poor quality with regard to fat, being 3.25 and 3.15 per cent. respectively; 1 was an abnormal sample, the fat being far in excess of genuine milk, viz., 7.1 per cent., while the solids not fat were slightly below the limit; and 3 contained 11, 12 and 13 per cent. respectively of added water. These are being followed up.

BUTTER AND LARD.—These were all genuine and free from excess of preservatives.

CHEESE.—One sample was low in fat, but under present conditions had to be passed as genuine.

MARGARINE ACT, 1887.

No wholesale dealers were registered during the year, and there are five premises registered wherein the business is carried on.

PUBLIC HEALTH (CREAM AND MILK) REGULATIONS,
1912 and 1917.

1. MILK AND CREAM NOT SOLD AS PRESERVED CREAM :—

	<i>Number of Samples examined for the presence of a preservative.</i>			<i>Number in which a preservative was reported to be present.</i>	
Milk	17	...	...	Nil.
Cream	Nil.	...	...	Nil.

2. CREAM SOLD AS PRESERVED CREAM.—
No samples taken.

3. THICKENING SUBSTANCES.—

Any evidence of their addition to cream
or to preserved cream. Action taken
when found :— ... Nil.

4. OTHER OBSERVATIONS :— ... Nil.

WATER SUPPLY.

In the Annual Report for 1910, pages 46 and 47, and on page 59, Annual Report for 1913, I gave an account of the City Water Supply.

The bacteriological examination of samples of the water taken from the main during the year were satisfactory.

The Hereford water is exceedingly soft, the amount of hardness in parts per 100,000 being on an average only 5 degrees, mostly permanent. The softness of the water renders it very suitable for domestic use, and also for manufacturing purposes, both for steam raising and cleansing purposes.

DISTRICTS SUPPLIED WITH WELL WATER.—There are 99 houses in the City supplied by 65 wells : of these, 78 are outside the system of the town water mains. The particulars in regard to the districts are as follows :—

	<i>Houses.</i>			<i>Wells.</i>
Hunderton and Belmont Road	13	...		9
Grafton and Red Hill ...	7	...		6
Upper Bullingham ...	10	...		5
Putson ...	16	...		10
Hampton Park and Tupsley ...	12	...		7
Aylestone Hill ...	2	...		2
Canon Moor ...	4	...		2
King's Acre and Huntington ...	20	...		13
Holmer ...	10	...		7
Westfields ...	5	...		4
	—			—
Totals ...	99	...		65
	—			—

SEWERAGE AND SEWAGE DISPOSAL, Etc.

The sewerage of the City is on the water carriage system, with the exception of the small districts of Hunderton, Breinton, Grafton, Bullingham, Putson, King's Acre, and parts of Aylestone Hill, Tupsley, Holmer and Huntington.

In the Annual Report for 1919, pages 38 and 39, I gave a description of the system.

CITY AND COUNTY MENTAL HOSPITAL SEWERAGE.—The laying of the sewer from Westfields to the Hospital has been completed, and three houses at Huntington in the City have also been connected.

CLOSET ACCOMMODATION.—The whole of the houses in the urban and suburban portions of the City within the sewerage system are on the water carriage system.

The following list shows the number of houses and types of closets in the outlying districts at the end of the year :—

	<i>Houses.</i>	<i>Privies.</i>	<i>Pail Closets.</i>	<i>Earth Closets.</i>
Hunderton and Belmont Road.	51	11	33	2
Breinton and Broomy Hill ...	8	1	6	1
Grafton and Red Hill ...	4	1	4	—
Upper Bullingham ...	12	4	6	—
Putson ...	12	2	8	—
Hampton Park and Tupsley...	28	3	18	6
Aylestone Hill ...	12	4	4	4
Canon Moor ...	4	—	3	—
King's Acre and Huntington...	21	8	13	1
Holmer ...	15	7	8	3
Westfields ...	26	1	19	—
Other Districts ...	11	2	8	—
	—	—	—	—
Totals ...	204	44	130	17
	—	—	—	—

During the ten years, 1911—1920, 20 privies and 30 earth or pail closets have been converted to the water carriage system, and 14 privies were converted into earth or pail closets.

SCAVENGING.

House refuse is collected once a week from outlying districts and twice a week in the central parts of the City by means of eight horse drawn vehicles, four of which are provided with sliding iron covers. It is very essential that a covering should be provided for the others.

About 3,360 tons of refuse are burnt annually in the Refuse Destructor at the Sewage Disposal Works, the remainder being tipped.

The cleansing of earth closets, privies, and cesspools, where such are in use in the outskirts of the City, is carried out by the owners and occupiers voluntarily, and the contents are disposed of in the gardens attached to the houses.

There are no fixed receptacles for house refuse other than at some of the large residences. These are generally for garden refuse, but where used for domestic refuse the contents are removed by the Corporation upon application. During the 10 years, 1911—1920, 11 fixed receptacles have been abolished, and at 7 houses movable galvanised ashbins with proper covers were provided.

POLLUTION OF RIVERS AND STREAMS.

There has been no necessity to take any action during the year in regard to the river Wye or any of the streams in the City.

NUISANCES, INCLUDING DRAINAGE DEFECTS.

WORK DONE THROUGH THE SANITARY INSPECTOR.

DRAINAGE—

Obstructed drains opened and cleansed	...	...	...	71
Defective drainage repaired or relaid	...	...	...	39
Houses with insufficient drainage, extra provided	...	...	...	3
Houses connected to public sewer	...	...	...	10
Glazed stoneware gullies fixed	...	...	...	33
Drains removed from inside or underneath houses	...	...	...	—
Sewer interceptors fixed	...	...	...	9
Disconnecting and inspection chambers constructed	...	...	...	22
Inspection chambers repaired	...	...	...	14
Ventilating shafts fixed or repaired	...	...	...	20
Cesspools cleaned out or repaired	...	...	...	6

WATER CLOSETS, PRIVIES, AND URINALS—

Obstructed w.c.'s opened and cleansed	...	...	...	18
Dilapidated w.c.'s repaired or rebuilt	...	...	...	25
Insufficient accommodation, extra w.c.'s erected	...	...	...	7
W.c.'s removed from cellars	...	...	...	1
Entrances to w.c.'s screened	...	...	...	1
New "Washdown" basins fixed	...	...	...	5
Pedestal basins fixed	...	...	...	53
Soil-pipes removed from inside houses	...	...	...	—
Soil-pipes repaired or renewed	...	...	...	7
Ventilation provided to w.c. compartments	...	...	...	6
Water supply provided to w.c.'s...	...	...	...	48
Flushing apparatus repaired or new provided	...	...	...	81
Dirty walls of closets limewashed	...	...	...	10
Privies and pail closets converted into water closets	...	...	...	22
Privies converted into pail closets	...	...	...	2
Privies cleaned out and abolished	...	...	...	8
Urinals repaired and cleansed	...	...	...	3

DWELLING HOUSES, &c.

Dirty and dilapidated houses cleansed and repaired	...	...	...	30
Damp courses inserted	...	...	...	1
Houses stripped and cleansed after infection	...	...	...	5
Roofs repaired	...	...	...	56
Chimneys and fireplaces repaired	...	...	...	17
Floors relaid or repaired	...	...	...	11
Dangerous stairs and defective windows repaired	...	...	...	9
Cases of overcrowding abated	...	...	...	—
Dilapidated wash-houses repaired or rebuilt	...	...	...	10
Dirty walls of wash-houses limewashed	...	...	...	4
Stagnant water removed from cellars	...	...	...	4
Yards and passages paved or paving relaid	...	...	...	6
Water supply provided to houses	...	...	...	11
Dangerous disused wells filled up	...	...	...	1
Wells cleaned out...	...	...	...	1

SINKS, WASTE PIPES, AND SPOUTING—

Dilapidated sinks repaired	...	...	...	...	4
New glazed stoneware sinks fixed	...	...	...	...	9
Waste-pipes provided to sinks	...	...	...	...	13
Waste and rain-water pipes disconnected from drains	...	...	...	...	9
Spouting repaired or provided	...	...	...	...	55

KEEPING OF ANIMALS AND MANURE—

Nuisances from animals improperly kept, abated	...	...	12
Accumulations of manure and refuse removed	...	...	28

MISCELLANEOUS—

Schools disinfected	...	...	...	...	1
Dairies and cowsheds limewashed on notice	...	...	...	...	58
Bakehouses limewashed on notice	...	...	...	...	7
Workshops limewashed on notice	...	...	...	...	3
Miscellaneous nuisances abated	...	...	...	...	55

An account of drainage and other work necessary to abate nuisances, which has been carried out under the supervision of the Sanitary Inspector, is shown in detail in the preceding table. The following table shows the number of notices served and those complied with during the year:—

Statute or Bye-Law.	Notices not complied with at end of 1919.	Notices served 1920.		Complied with 1920.	Notices not complied with at end of 1920.
		Preliminary.	Statutory.		
Public Health Acts	109	427	14	450	100
Factory and Workshop Act	6	14	—	20	—
Housing Acts	9	14	2	10	15
Infectious Disease (Prevention) Act	—	2	3	5	—
Regulations under Dairies, Cowsheds and Milkshops Order	—	58	—	58	—
City Byelaws	—	3	—	3	—
Total	124	518	19	546	115
		537			

In addition to the above notices, 308 letters were written by the Inspector and 85 reports made to other departments; 54 reports dealing with infectious disease, and 14 on miscellaneous matters were also made.

There were 238 complaints investigated, and 40 tests applied to drainage (33 by water and 7 by smoke). Particulars of visits and inspections are as follows:—

Nuisances	1421
Works in progress	296
House-to-house inspection	4
Housing Acts	80
Infectious Disease	116
Factory and Workshop Act	156
Outworkers	41
Bakehouses	41
Common Lodging-houses	4
Dairies, Cowsheds, and Milkshops	125
Public Abattoir	3
Food-preparing places	94
Stables and Piggeries	82
Offensive Trades	10
Schools and Public Buildings	8
Public Conveniences	61
Miscellaneous	214
	<hr/>
	2,756

I visited the whole of the caravans used for habitation during the May Fair ; in a few instances notices were given in regard to cleansing. No infectious disease was detected.

The Assistant Sanitary Inspector, Mr. G. H. Williams, resigned on March 27th, 1920, to take up an appointment as a Sanitary Inspector under the Sudan Government. The vacancy has not yet been filled.

LEGAL PROCEEDINGS.

The following are the particulars of proceedings taken in the Court of Summary Jurisdiction during the year :—

<i>No. of Summons.</i>	<i>Statute under which proceedings were instituted.</i>	<i>Offence.</i>	<i>Fines.</i>	<i>Costs.</i>	<i>Remarks.</i>
1	Public Health Act, 1875, Sect. 23.	Claim for expenses incurred in doing drainage work.	£ s. d. — — —	£ s. d. 0 3 6	Summons withdrawn, defendant having paid amount of claim £35 12s. 0d. and costs 3s. 6d.
1	Public Health Act, 1875, Sect. 95.	Default in complying with notice to abate nuisance.	— — —	0 3 6	Summons withdrawn, defendant having complied with notice and paid costs.
<hr/> 2			<hr/> — — —	<hr/> 7 0	

REPORT OF THE
SCHOOL MEDICAL OFFICER
FOR 1920.

Education Committee :

Councillor G. A. C. THYNNE, *Mayor*.

Alderman J. R. SYMONDS, *Chairman*.

Alderman G. B. GREENLAND.	<i>Nominated Members :</i>
Alderman E. L. WALLIS.	Rev. C. G. LEDGER.
Alderman C. WITTS.	Rev. A. P. SMITH.
Councillor A. KEAR.	Rev. Preb. A. B. WYNNE-
Councillor G. E. MORGAN.	WILLSON.
Councillor M. C. OATFIELD.	<i>Selected Members :</i>
Councillor A. D. STEEL.	THE VERY REV. THE DEAN.
	Miss M. BULL.
	Miss E. KRABBÉ.
	Miss S. M. SMITH.

Care Committee :

Councillor G. A. C. THYNNE, *Mayor*.

Alderman E. L. WALLIS, *Chairman*.

Councillor A. KEAR.	Miss E. KRABBÉ.
Rev. C. G. Ledger.	Mrs. L. LILLEY.
Lieut.-Col. H. R. C. HEWAT.	Mrs. G. MINES.
Miss M. BULL.	Mrs. A. C. MOORE.
Mrs. H. P. BULMER.	Mrs. NICHOLSON.
Mrs. GOLD.	Miss S. M. SMITH.
Mrs. JACKSON.	Mrs. TUKE.

CITY OF HEREFORD.

THIRTEENTH ANNUAL REPORT TO THE EDUCATION AUTHORITY.

STAFF.

The whole of the work as School Medical Officer, including the medical inspection of school children, is carried out by the Medical Officer of Health. The two Health Visitors devote half of their time to school work, including treatment at the Inspection Clinic. The clerical work is carried out by one Clerk, who devotes a large part of her time to school work.

CO-ORDINATION.

As the School Medical Officer is also Medical Officer to the Maternity and Child Welfare Centre, the co-ordination of the work with (a) Infant and Child Welfare, and (c) the care of debilitated children under school age is complete. Very few mothers go out to work, and up to the present it has not been found necessary to establish Nursery Schools.

THE SCHOOL MEDICAL SERVICE IN RELATION TO PUBLIC ELEMENTARY SCHOOLS.

(a) *School Hygiene.*

BUILDINGS.—There have been no alterations or additions to school buildings during the year. The inside walls of the classrooms and central hall of Holmer Infants' and St. Owen's and Scudamore Boys' Schools were distempered and the ceilings whitened, in addition painting was carried out in connection with the exterior of Roman Catholic Infants' School, Holmer Infants', St. Peter's, and St. Owen's.

CLEANLINESS.—There is still need for more attention in regard to the cleaning of some of the schools. In July, 1919, cards were distributed to all the schools in regard to the duties of Caretakers. The matters dealt with are:—(1) Heating, (2) Cleanliness of School Premises, Sweeping, etc., (3) Washing, (4) Washing Basins, (5) Sanitary Conveniences, (6) Playgrounds, (7) Gullies, Surface Drains, etc., (8) Dustbins.

VENTILATION, LIGHTING, ETC.—These matters have been referred to in previous Annual Reports, and attention was again drawn to these matters on pages 46 and 47 Annual Report for 1919.

HEATING.—In some of the schools the existing method of heating might, with advantage, be improved in the future by substituting a hot-water system of heating by radiators and pipes for the existing stoves; more efficient heating would be secured and also a greater economy in fuel. During the first week of January, the heating was insufficient in some of the rooms of All Saints', St. James', and St. Martin's, when the schools assembled, and during the second week in December the heating was insufficient in some of the class-rooms of Scudamore Schools, St. Martin's and All Saints'.

MEDICAL INSPECTION.

Children were examined as "Entrants" at the age of 5 and 6 years, as "Leavers," the majority at the age of 12 years, in addition all children were examined at the age of 8 years, and also "Specials" at any age. Particulars are given in Table I. Appendix.

The extent to which disturbance of school arrangements was involved has been referred to in previous reports. Altogether 81 visits were made to schools in connection with Medical Inspections.

PRESENCE OF PARENTS.—The mothers were present in 306 instances (32 per cent.), the fathers in 8 instances (.8 per cent.), other relatives in 54 instances (5 per cent.), guardians in 5 cases (.5 per cent.), and friends in 11 cases (1 per cent.).

VACCINATION.—Information was obtained in respect of boys (195 leavers, 163 of the eight-year group, and 157 entrants), and

girls (157 leavers, 161 of the eight-year group, and 152 entrants). This had not been carried out in the case of 115 entrants (boys), 73 per cent., 96 eight-year group (boys), 59 per cent., and 35 leavers (boys), 17 per cent. ; 110 entrants (girls), 72 per cent., 98 eight-year group (girls), 61 per cent., and 44 leavers (girls), 22 per cent.

FAMILY HISTORY OF TUBERCULOSIS.—In connection with the children examined, there was a family history of consumption in 56 instances (21 boys and 35 girls), 5 per cent. The following members of the family had died from the disease :—

Father ...	...	11	Mother ...	...	12
Grandfather ...	...	2	Grandmother ...	...	1
Uncles ...	...	10	Aunts ...	...	11
Brothers ...	...	4	Sisters ...	...	6

The following relatives were suffering from the disease at the time of medical inspection :—Father, 5 ; mother, 4 ; brothers, 3 ; sisters, 3 ; aunts, 2. Two sisters were suffering from Tubercular Glands of the neck.

PREVIOUS INFECTIOUS DISEASES.

The particulars are as follows :—

	ENTRANTS.				Intermediate Group.				Leavers.			
	BOYS.		GIRLS.		BOYS.		GIRLS.		BOYS.		GIRLS.	
	No.	Per cent	No.	Per cent	No.	Per cent	No.	Per cent	No.	Per cent	No.	Per cent
Measles ...	110	70.	96	63.	123	75.	145	90.	173	85.	134	86.
Whooping Cough	63	41.	67	44.	87	53.	89	55.	101	51.	72	46.
Chicken Pox ...	51	33.	41	27.	52	32.	58	36.	72	36.	68	43.
Scarlet Fever ...	—	—	3	1.9	3	1.8	5	3.1	16	8.1	16	10.2
Diphtheria ...	2	1.3	2	1.4	6	3.6	3	1.8	6	3.0	10	6.4
Mumps ...	23	14.	12	8.0	40	24.	47	29.	60	30.4	48	30.7
Bronchitis ...	9	5.7	7	4.6	7	3.8	5	3.1	6	3.0	5	3.2
Pneumonia ...	9	5.7	6	4.0	6	3.6	7	4.3	7	3.5	9	5.7
Influenza ...	33	21.	35	23.	55	33.	46	29.	46	23.	67	43.
Other Diseases...	3	1.8	5	3.2	2	1.2	4	2.4	2	1.	1	.6

Particulars of the number of children examined are given in Table I below. The following is a list of the number of children examined in each School:—

SCHOOL.	Entrants.			Intermediate Group.			Leavers.			Specials.		
	B.	G.	T.	B.	G.	T.	B.	G.	T.	B.	G.	T.
All Saints' ...	19	24	43	6	3	9	—	—	—	7	9	16
Blue Coat Boys' ...	—	—	—	10	—	10	23	—	23	5	—	5
„ „ Girls' ...	—	—	—	—	20	20	—	13	13	—	2	2
Holmer (Mixed) ...	—	—	—	23	21	44	31	27	58	9	12	21
„ (Infants') ...	28	24	52	2	1	3	—	—	—	1	2	3
Roman Catholic (Mixed)	—	—	—	11	20	31	13	14	27	2	3	5
„ „ (Infants')	20	17	37	4	9	13	—	—	—	1	—	1
Scudamore (Boys')	—	—	—	21	0	21	55	—	55	23	—	23
„ (Girls')	—	—	—	—	23	23	—	37	37	—	14	14
„ (Juniors')	43	42	85	27	16	43	—	—	—	4	1	5
St. James' (Infants')	34	31	65	—	1	1	—	—	—	4	2	6
St. John's (Girls')	—	—	—	—	10	10	—	16	16	—	3	3
St. Martin's (Mixed)	7	8	15	5	8	13	9	8	17	3	—	3
St. Owen's (Boys')	—	—	—	46	—	46	54	—	54	7	—	7
St. Peter's (Girls')	—	—	—	—	24	24	—	35	35	—	15	15
Tupsley ...	6	6	12	8	5	13	12	6	18	—	—	—
Totals ...	157	152	309	163	161	324	197	156	353	66	63	129

In addition to the above, 247 boys and 368 girls were medically inspected at the Inspection Clinic.

TABLE I.—NUMBER OF CHILDREN INSPECTED

1ST JANUARY, 1920, TO 31ST DECEMBER, 1920.

A.—“ CODE ” GROUPS.

Age.	Entrants.						Inter- mediate Group.	Leavers.				Grand total
	3	4	5	6	Other ages	Total		8	12	13	14	Total
Boys ...	—	—	131	26	—	157	163	162	31	4	197	517
Girls ...	—	—	117	35	—	152	161	133	23	—	156	469
Totals .	—	—	248	61	—	309	324	295	54	4	353	986

B — SPECIAL INSPECTIONS.

			Special Cases.		Total.
			At School.	At Inspection Clinic.	
Boys	...	...	66	247	313
Girls	...	...	63	368	431
Totals	...	...	129	615	744

GENERAL REVIEW OF THE RESULTS OF MEDICAL INSPECTION.

HEIGHTS IN 1920.

BOYS.				GIRLS.			
Years of age.	Number at each age.	Inches.	Centi-metres.	Years of age.	Number at each age.	Inches.	Centi-metres.
5	131	40.8	103.6	5	117	40.8	103.6
6	26	43.1	109.2	6	35	43.8	111.2
8	163	45.8	113.8	8	161	46.5	118
12	162	55.6	141.2	12	133	62.6	158.2
13	31	56.1	142.4	13	23	62.	158
14	4	56	142.2	14	—	—	—

WEIGHTS IN 1920.

BOYS.				GIRLS.			
Years of age.	Number at each age.	Pounds.	Kilo-grammes.	Years of age.	Number at each age.	Pounds.	Kilo-grammes
5	131	38.8	17.6	5	117	40.	18.1
6	26	42.3	19.2	6	35	43.3	19.6
8	163	49.	22.2	8	161	48.7	22.1
12	162	74.6	33.8	12	133	77.6	35.2
13	31	69.2	31.4	13	23	80.6	36.2
14	4	84.	38.2	14	—	—	—

FINDINGS OF MEDICAL INSPECTIONS.

CLOTHING AND FOOTGEAR.—The following are particulars :—

CLOTHING.

	<i>Eight year</i>							
	<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>	
	B.	G.	B.	G.	B.	G.	B.	G.
Fairly satisfactory...	8	13	6	10	12	8	26	31
Unsatisfactory ...	2	4	3	1	1	1	6	6
	—	—	—	—	—	—	—	—
	10	17	9	11	13	9	32	37
	—	—	—	—	—	—	—	—

FOOTGEAR.

	<i>Eight year</i>							
	<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>	
	B.	G.	B.	G.	B.	G.	B.	G.
Fairly satisfactory...	3	9	—	5	1	3	4	17
Unsatisfactory ...	2	—	—	2	1	—	3	2
	—	—	—	—	—	—	—	—
	5	9	—	7	2	3	7	19
	—	—	—	—	—	—	—	—

The clothing was not satisfactory in the case of 6 per cent. of the boys and 8 per cent. of the girls ; the footgear was unsatisfactory in 1·3 per cent. of the boys and 4 per cent. of the girls.

UNCLEANLINESS.—

HEAD.

	<i>Eight year</i>							
	<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>	
	B.	G.	B.	G.	B.	G.	B.	G.
Dirty ...	—	1	1	1	1	—	2	2
Somewhat dirty ...	10	4	16	3	19	2	45	9
*Many Nits ...	1	4	1	14	—	10	2	28
Moderate Nits ...	1	23	7	23	4	27	12	73
A few Nits...	4	10	5	25	4	40	13	75

* Including pediculi where present.

BODY.

<i>Eight year</i>									
<i>Entrants.</i>			<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>		
	B.	G.	B.	G.	B.	G.	B.	G.	
Dirty ...	—	1	2	2	5	1	7	4	
Somewhat dirty ...	18	12	29	21	28	15	75	48	
Flea Bites ...	5	9	11	5	8	7	24	21	

It will be seen that 5 per cent. of the boys and 3.5 per cent. of the girls had nits in their hair: 2 per cent. of the boys and 2 per cent. of the girls were dirty, and 8 per cent. of the boys and 1.9 per cent. of the girls were somewhat dirty.

NUTRITION.

<i>Eight year</i>									
<i>Entrants.</i>			<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>		
	B.	G.	B.	G.	B.	G.	B.	G.	
Good ...	5	7	1	6	12	21	18	34	
Below Normal (but not bad) ...	36	30	35	57	44	28	115	115	
Bad ...	4	2	2	3	1	—	7	5	

In connection with 7 boys (1.3 per cent.) and 5 girls (1 per cent.) the nutrition was bad. The nutrition was below normal (but not bad) in relation to 115 boys (22 per cent.) and 115 girls (24 per cent.), and good in 18 boys (3.4 per cent.) and 34 girls (7 per cent.); in the remainder it was normal. Investigation of cases of bad nutrition indicates the causes to be unsuitable and irregular meals, insufficient food, previous illnesses, constitutional weakness, intemperance on the part of one or both parents, and insanitary conditions including overcrowding.

NOSE AND THROAT.—The particulars are as follows:—

<i>Eight year</i>									
<i>Entrants.</i>			<i>Group.</i>		<i>Leavers</i>		<i>Totals.</i>		
	B.	G.	B.	G.	B.	G.	B.	%	G. %
Enlarged Tonsils—									
(a) Moderate ...	8	13	13	16	2	6	23	(4.0)	39 (8.0)
(b) Much ...	1	3	2	1	—	—	3	(0.5)	4 (0.7)
Adenoids—									
(a) Slight ...	3	3	5	11	1	—	9	(1.7)	14 (3.0)
(b) Marked ...	1	5	2	—	—	—	3	(0.5)	5 (1.0)
Mouth Breathers ..	4	11	—	3	1	—	5	(0.8)	14 (3.0)
Nasal Catarrh ...	7	2	1	4	—	—	8	(1.6)	6 (1.3)

OTHER.

REMOVAL OF TONSILS AND ADENOIDS.—The operation had been carried out previous to medical inspection in respect to three “entrants” (two boys at the Hereford School Clinic and one at Great Ormond Street Hospital, London), and one girl “entrant” by a private doctor.

Eight boys, aged 8 years, had the operation performed (four at the School Clinic, two by a private doctor, one at the General Hospital, Croydon, and one at the Bristol Infirmary).

Seven girls were operated on (five at the School Clinic, one by a private doctor, and one at a Hospital in Birmingham). Operations were carried out in respect to four boy “leavers” (two at the School Clinic, one at the Herefordshire General Hospital, and one by a private doctor) and three girl “leavers” (two at the School Clinic and one at the Leamington Hospital). All the above operations were carried out previous to the medical inspection.

TUBERCULOSIS (NON-PULMONARY).

Two boy “entrants” had a scar on the one side of the neck, the site of an operation performed in connection with tubercular glands and abscess, at the Herefordshire General Hospital. A girl “entrant” had suffered from tubercular enteritis, and had been treated at the Herefordshire General Hospital for three months in 1919.

One boy and three girls of the eight year group had a scar on one side of the neck, indicating the site of previous tubercular glands. A boy “leaver” had a scar on one side of his neck, the site of an operation for the removal of tubercular glands at the Wakefield Infirmary in 1915.

Another boy “leaver” had suffered from tubercular glands of the neck a few months before medical inspection; he had been treated by a private doctor, and there were signs of a recurrence at the time of the medical inspection.

ENLARGED GLANDS.—The particulars are as follows:—

<i>Eight year</i>									
<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Total.</i>			
B.	G.	B.	G.	B.	G.	B.	%	G.	%
Some enlargement									
(sub-maxillary									
glands)									
...	20	13	30	31	23	14	73 (14.0)	58	(12.0)

SKIN DISEASE.

			<i>Eight year</i>							
			<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>	
			B.	G.	B.	G.	B.	G.	B.	G.
Ringworm—										
(a) Scalp	...	...	I	—	—	—	—	—	I	—
(b) Body	...	...	—	—	—	—	—	—	—	—
Impetigo—										
(a) Face	...	...	3	I	3	—	I	I	7	2
(b) Scalp	...	...	—	—	—	—	—	—	—	—
(c) Other	...	...	—	—	—	—	—	—	—	—
Seborrhœa (Scalp)	...	...	—	I	—	—	—	—	—	I
Eczema (Face)	...	...	3	—	I	I	—	—	4	I
Psoriasis	...	...	—	—	—	I	—	—	—	I
Sores—										
(a) Face	...	...	2	I	2	—	—	2	4	3
(b) Other	...	...	—	I	—	—	—	—	—	I
Other	...	...	—	I	—	I	2	—	2	2

EXTERNAL EYE DISEASE.

			<i>Eight year</i>							
			<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Total.</i>	
			B.	G.	B.	G.	B.	G.	B.	G.
Blepharitis—										
(a) One eye	...	...	—	I	I	—	—	—	I	I
(b) Both eyes	...	...	I	3	I	2	5	3	7	8
Conjunctivitis	...	...	—	—	—	I	—	I	—	2

A boy “leaver” suffered from Nystagmus.

Eight boys (1.5 per cent.) and 11 girls (2.3 per cent.) suffered from external disease of the external eye.

SQUINT AND DEFECTIVE VISION.—The particulars in regard to squint are as follows:—

			<i>Eight year</i>							
			<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Total.</i>	
			B.	G.	B.	G.	B.	%	G.	%
Convergent—										
(a) Double	...	...	—	2	I	I	—	—	I (0.2)	3 (0.9)
(b) One eye	...	...	3	2	—	2	3	I	6 (1.6)	5 (1.5)
Divergent—										
(a) Double	...	...	—	—	—	I	—	—	—	I

DEFECTIVE VISION.

			<i>Eight year</i>							
			<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>			
			B.	G.	B.	G.	B.	%	G.	%
One eye	...	...	3	6	8	10	11	(3.6)	16	(4.0)
Both eyes	...	...	1	11	10	10	11	(3.0)	21	(6.0)

The particulars in regard to defects found are as follows:—

Eight Year Group.

	6	6	6	6	6	6	6
	—	—	—	—	—	—	—
	9	12	18	24	36	60	0
	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.
Boys. 90	86	— 2	2 3	— 1	— —	— —	1 —
Girls.. 72	72	8 6	5 8	— —	3 1	— —	— 1

Leavers.

	6	6	6	6	6	6	6
	—	—	—	—	—	—	—
	9	12	18	24	36	60	0
	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.	R. L.
Boys.. 45	45	4 1	2 5	2 3	3 4	— 2	— 1
Girls.. 45	53	6 3	1 4	1 1	— —	3 2	1 —

A boy aged eight years had his left eye injured in 1918 through a piece of slate thrown by another boy; the eye was removed at the Herefordshire General Hospital.

One boy and two girls, aged eight years, had attended the School Clinic and obtained spectacles.

Another girl, aged eight years, had been treated at the Midland Eye Hospital, Birmingham, in 1919, and was wearing spectacles at the time of inspection.

Five boy and three girl "leavers" had been treated at the School Clinic, and had obtained spectacles; another boy "leaver" had obtained treatment at the Herefordshire General Hospital. A girl "leaver" had been fitted with spectacles, but had not been examined by an oculist.

EAR DISEASE AND DEAFNESS.—The particulars are as follows :—

	<i>Entrants.</i>		<i>Eight year Group.</i>		<i>Leavers.</i>		<i>Totals.</i>	
	B.	G.	B.	G.	B.	G.	B.	G.
Discharge—								
(a) One ear	I -	I -		2 -		4 -	
(b) Both ears	...	- -	- -		- -		- -	
Recent discharge—								
(a) One ear	- -	- -		I -		I -	
(b) Both ears	...	- -	- -		- -		- -	
Discharge off and on—								
(a) One ear	- -	- I		- I		- 2	
(b) Both ears	...	- -	- -		- -		- -	
Obstruction due to wax—								
(a) One ear	- -	2 6		4 2		6 8	
(b) Both ears	...	- I	- I		2 -		2 2	

DEAFNESS ASCERTAINED BY THE WHISPER TEST.

			ONE EAR.									
			5 ft.		10 ft.		Other.		Totals.			
			B.	G.	B.	G.	B.	G.	B.	%	G.	%
Entrants	...	...	—	—	—	—	—	—	—		—
Eight year Group	...	...	—	—	3	5	—	—	3	(1.8)	5	(3.0)
Leavers	...	...	1	—	4	4	—	*1	5	(2.5)	5	(3.2)

* Less than 4 ft.

		BOTH EARS.							
		B.	G.	B.	G.	B.	G.	%	%
Entrants	...	-	-	I	5	-	†I	I	6
Eight year Group	...	-	-	-	3	-	-	-	3
Leavers	...	-	-	4	-	-	-	4	-

(†) Less than 1 ft.

A boy “entrant” had suffered from double otorrhœa in 1919, and had been treated at the Herefordshire General Hospital; there was no discharge at the time of inspection.

Another boy “entrant” had suffered from left otorrhœa after Whooping Cough early in 1920. A boy aged eight years had attended the Victoria Hospital in 1919 for double otorrhœa; there was none at the time of inspection.

Another boy "leaver," who suffered from right ear discharge off and on, had been treated at the Herefordshire General Hospital for mastoid disease. A girl "entrant" had double otorrhœa after Scarlet Fever in 1917, and deafness had resulted.

A girl aged eight years had suffered from right ear discharge off and on after Measles in 1914, and another girl of the same age from deafness owing to the formation of the lobes of the ear. A girl "leaver" had suffered from right ear discharge for four years, and the drum was perforated.

Another girl "leaver" had discharge off and on from the left ear for two years, but there was none at the time of inspection; deafness had followed.

DENTAL DEFECTS.

Fifty-four per cent. of "entrants," 80 per cent. of the "eight year group," and 74 per cent. of the "leavers" had 4 to 8 decayed teeth; 7 per cent. "entrants," 9 per cent. of the "eight year group," and 1 per cent. "leavers," had 8 or more decayed teeth. In connection with 22 per cent. of the children, the teeth were all sound.

Forty-five boys (8 "entrants," 27 of the "eight year group," and 10 "leavers") and 40 girls (6 "entrants," 24 of the "eight year group," and 10 "leavers") had oral sepsis.

Ten boys (one of the "eight year group" and nine "leavers") and 16 girls (9 of the "eight year group" and 7 "leavers") had irregular teeth.

The particulars in regard to cleanliness of the teeth are as follows:—

		<i>Eight year</i>						<i>Totals.</i>	
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>			
		B.	G.	B.	G.	B.	G.	B.	%
Good	—	2	1	—	3	1	4 (.07)
Bad	3	5	20	8	5	5	28 (5.0)
									18 (4.0)

In the remaining cases the condition was medium.

CIRCULATORY SYSTEM.—The particulars are as follows:—

ANÆMIA.

		<i>Eight year</i>						<i>Totals.</i>			
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>					
		B.	G.	B.	G.	B.	G.	B.	%	G.	%
Some	...	14	6	13	14	17	11	44	(8.0)	31	(6.0)
Marked	...	—	—	—	—	—	3	—		3	(0.6)
		—	—	—	—	—	—	—		—	
Totals	...	14	6	13	14	17	14	44		34	
		—	—	—	—	—	—	—		—	

HEART DISEASE.—The conditions were as follows:—

ORGANIC DISEASE.

		<i>Congenital.</i>				<i>Mitral.</i>		<i>Totals.</i>			
		B.	G.	B.	G.	B.	G.	B.	%	G.	%
Entrants	—	—	—	—	—	—		—	
Eight year Group	...	—	—	—	—	1	—	1	(0.5)	—	
Leavers	—	—	—	—	1			1	(0.6)

FUNCTIONAL.

		<i>Dilata-</i>		<i>Hyper-</i>		<i>Tachy-</i>		<i>Other.</i>		<i>Totals.</i>			
		<i>tion.</i>		<i>trophy.</i>		<i>cardia.</i>							
		B.	G.	B.	G.	B.	G.	B.	G.	B.	%	G.	%
Entrants	...	—	2	—	—	—	—	—	—	—		2	(1.2)
Eight year													
Group	...	1	1	—	1	—	—	—	—	1	(0.5)	2	(1.2)
Leavers	...	—	1	1	—	—	1	—	—	1	(0.5)	2	(1.2)

LUNGS.—

		<i>Eight year</i>						<i>Totals.</i>			
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>					
		B.	G.	B.	G.	B.	G.	B.	%	G.	%
Phthisis	...	...	—	—	—	1	—	1		2	(0.4)
Suspected Phthisis..	...	—	1	2	1	2	2	4	(0.7)	4	(0.8)
Possible Phthisis...	...	1	2	2	—	1	2	4	(0.7)	4	(0.8)
Bronchitis (Sub											
Acute)	...	15	11	8	13	5	2	28	(5.4)	26	(5.6)
Abnormal condition											
of Lungs	...	4	6	8	6	6	3	18	(3.4)	15	(3.2)
Poor expansion of											
chest	...	5	2	5	7	8	5	18	(3.4)	14	(3.0)

NERVOUS SYSTEM.

		<i>Eight year</i>						<i>Total.</i>	
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>			
		B.	G.	B.	G.	B.	G.	B.	%
Epilepsy—									
(a) Minor	...	—	1	1	—	—	—	1	(0.1)
(b) Major	...	—	—	1	—	—	—	1	(0.1)
Habit Spasm	...	—	1	—	—	1	—	1	(0.1)

RICKETS.—One boy, aged 8 years, and 5 girls (4 “entrants,” 1 “eight year group”) had suffered from slight rickets in infancy, and 3 boy “entrants” and 1 girl “leaver” from marked rickets in infancy. The signs were beaded ribs, bowed legs, flat foreheads, etc.

CRIPPLING DEFECTS.

		<i>Eight year</i>						<i>Totals.</i>	
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>			
		B.	G.	B.	G.	B.	G.	B.	%
Associated with									
Rickets	...	3	4	1	1	—	1	4	(0.7)
Curvature of Spine—									
(1) Anterior	...	—	—	—	—	1	1	1	(0.1)
(2) Lateral	...	—	—	—	—	1	2	1	(0.1)
Cleft Palate	...	—	1	1	—	1	—	2	(0.3)
Deformed Chest—									
(1) Flat	...	1	2	—	5	—	—	1	(0.1)
(2) Pigeon shaped	...	—	—	—	1	1	—	1	(0.1)
(3) Other	...	—	—	—	—	2	—	2	(0.3)

Ten boys (1 “entrant” and 9 “leavers”) and four girls (2 “eight year group” and 2 “leavers”) were round shouldered. A girl “leaver,” aged 12 years, had old dislocation of left hip, which had produced left lateral curvature of the spine, pigeon chest and lameness; she was examined at the Shrewsbury Infirmary at the age of 2 years. A boy “leaver,” aged 12 years, was treated at the Herefordshire General Hospital for anterior curvature of the spine, and was doing special exercises,

DEFECTIVE SPEECH.

		<i>Eight year</i>									
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>			
		B.	G.	B.	G.	B.	G.	B.	%	G.	%
Stammering ...	...	3	1	—	—	—	—	3	(0.5)	1	(0.2)
Nasal ...	...	1	3	—	—	—	—	1	(0.1)	3	(0.6)
Lisp ...	...	—	1	4	2	—	—	4	(0.7)	3	(0.6)
Other defects ...	...	9	6	1	5	—	—	10	(1.9)	11	(2.0)

MENTAL CONDITION.

		<i>Eight year</i>									
		<i>Group.</i>		<i>Leavers.</i>				<i>Totals.</i>			
		B.	G.	B.	G.	B.		%		G.	%
Mentally Defective											
(over 6 years of age) ..	2	1	2	2	4	(1.0)	3	(0.9)			
Dull ...	...	16	16	22	12	38	(13.0)	28	(8.8)		
Somewhat Dull ...	...	1	—	5	—	6	(1.6)	—	—		

ENLARGEMENT OF THYROID GLAND.

		<i>Eight year</i>									
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>			
		B.	G.	B.	G.	B.	G.	B.	%	G.	%
Moderate	—	3	2	3	1	11	2	(0.3)	17	(3.6)
Much	—	1	—	—	—	3	—	—	4	(1.0)

The majority of the children affected were born in Hereford, and had used the town water supply.

In the following cases of enlargement there had been residence outside the town as follows :—A girl “entrant” who had a fair amount of enlargement had resided in Hereford for three years, and previously in Tonypanydy for eight years.

A boy, aged eight years, with moderate enlargement, had lived in Hereford for two years, and previously in Devonshire for six years. A boy “leaver” with moderate enlargement had lived at Franchistone, Herefordshire, for 16 months (well water), and previously in Shropshire (well water).

A girl “leaver” with much enlargement had lived in Hereford for four years, and previously in Worcester for eight years (well water). Another girl “leaver” with much enlargement had resided in Hereford for five years, and previously in Herefordshire outside the City. A girl “leaver” with a moderate amount of enlargement had resided in Herefordshire for six years, and previously in Wales, in each case well water had been used.

OTHER DISEASES AND DEFECTS.

		<i>Eight year</i>							
		<i>Entrants.</i>		<i>Group.</i>		<i>Leavers.</i>		<i>Totals.</i>	
		B.	G.	B.	G.	B.	G.	B.	%
Inguinal Hernia—									
(1) One side	...	I	—	—	—	2	—	3	(0.5)
(2) Double	...	I	—	—	—	—	—	I	(0.1)
Gastro-enteritis	...	I	—	—	—	—	—	I	(0.1)
Dyspepsia	...	—	—	—	2	—	—	—	2 (0.4)
Vermes	...	I	—	—	—	—	—	I	(0.1)
Enuresis	...	3	—	I	—	I	—	5	(0.8)
Hydrocele (slight)	...	—	—	I	—	—	—	I	(0.1)
Cyst (right side of neck)	...	—	—	—	—	I	—	I	(0.1)

A boy "entrant" had been operated on for double inguinal hernia. The operation was successful.

Another boy, aged eight years, with right inguinal hernia was wearing a truss at the time of medical inspection.

A boy "leaver" had been operated upon successfully for appendicitis in 1919 at the Herefordshire General Hospital.

REMARKS ON TREATMENT.

VERMINOUS HEADS.—The following table gives the percentage of verminous heads found in the School at the time of the first inspection by the School Nurses in 1920.

SCHOOL.	BAD.		MODERATE.		SLIGHT.		TOTAL.	
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.
	%	%	%	%	%	%	%	%
All Saints' ...	Nil	11.7	Nil	9.4	1.3	8.2	1.3	29.4
Blue Coat Boys' ...	Nil	—	Nil	—	Nil	—	Nil	—
" " Girls' ...	—	2.8	—	3.8	—	4.3	—	10.9
Holmer (Mixed) ...	.6	7.	1.3	14.	—	20.6	1.9	41.6
" (Infants') ...	—	9.5	—	11.	1.	16.6	1.	37.1
Roman Catholic (Mixed) ...	1.	10.8	1.	18.	3.	17.3	7.	46.1
" (Infants') ...	Nil	3.6	Nil	14.5	2.4	10.9	2.4	29.
Scudamore (Boys') ...	1.1	—	2.6	—	.7	—	4.4	—
" (Girls') ...	—	6.3	—	10.5	—	19.	—	35.8
" (Juniors') ...	.9	11.2	.9	16.2	.9	12.5	1.8	39.9
St. James' (Infants') ...	1.5	2.	1.5	14.5	3.	15.6	6.0	32.1
St. John's (Girls') ...	—	22.7	—	14.	—	14.	—	38.1
St. Martin's (Mixed) ...	Nil	9.6	6.2	20.4	4.1	36.	10.3	66.
St. Owen's (Boys') ...	2.5	—	1.4	—	.7	—	4.6	—
St. Peter's (Girls') ...	—	11.1	—	6.	—	12.7	—	30.
Tupsley ...	Nil	6.8	Nil	4.5	Nil	16.	Nil	27.3

Thirty-one visits were made to schools by the School Nurses *re* verminous heads; each child was examined twice in 15 schools and once in one school; in two schools 3 times. Altogether, 3,747 inspections (1,646 boys and 2,101 girls) in connection with 2,734 children (1,140 boys and 1,594 girls) were made.

The results are divided into three groups:—(1) Bad, (2) Moderate, (3) Slight.

The average percentage for each group examined during 1920 was as follows:—

			<i>Bad.</i>	<i>Moderate.</i>	<i>Slight.</i>
Boys	...	...	.48	1.3	2.0
Girls	...	...	7.7	10.0	15.6

During the year 317 White Notices were delivered, and 14 Red Notices were served on the fathers by the School Attendance Officer. Other defects noted at the time of inspection by the School Nurse were as follows:—Impetigo (3), Sores (11), Ear discharge (1), external eye disease (2).

PREVENTION OF INFECTIOUS AND CONTAGIOUS DISEASE.

The following notifications were received from Head Teachers during the year:—Measles 44, Whooping Cough 16, Mumps 4, Ringworm 6, Chicken-pox 10, Scabies 8.

On account of the prevalence of Measles, it was found necessary to close the following schools for the period stated below:—

<i>School.</i>	<i>Date closed.</i>	<i>Date re-opened.</i>
All Saints'	June 16th ...	August 3rd.
Holmer Infants' ...	„ 16th ...	„ 3rd.
Scudamore Juniors ...	August 2nd ...	„ 16th.
St. James' Infants ...	„ 2nd ...	„ 16th.
R.C. Infants	„ 9th ...	„ 16th.

St. James' Infants was also closed from April 29th to May 31st, on account of Whooping Cough.

TREATMENT OF DEFECTS.

Full particulars in regard to defects found, for which treatment was considered necessary, including defects remaining over from other years requiring treatment are given in the Table on page 60.

TABLE II.

Return of Defects found in course of Medical Inspection, 1920.

DISEASE OR DEFECT.	CODE GROUP.		SPECIALS.			
	Number referred for treatment.	Number requiring to be kept under observation but not referred for treatment.	Number referred for treatment.		Number requiring to be kept under observation but not referred for treatment.	
			School.	Inspec. Clinic.	School.	Inspec. Clinic.
CLOTHING	13	—	3	1	—	—
FOOTGEAR	9	—	1	1	—	—
MALNUTRITION	60	—	12	1	4	—
UNCLEANLINESS—						
Head	11	3	24	76	—	—
Body	16	6	15	2	—	—
SKIN—						
Ringworm—Head	1	—	—	44	—	—
" Body	—	—	—	8	—	—
Scabies	—	—	—	17	—	—
Impetigo	9	—	1	62	—	—
Other Diseases (Non-Tubercular) ..	—	—	4	115	—	—
EYE—						
Minor Injuries	—	—	—	27	—	—
Blepharitis	16	3	6	6	2	—
Conjunctivitis	4	—	—	7	—	—
Keratitis	—	—	—	1	—	—
Corneal Ulcer	—	—	—	1	—	—
Corneal Opacities	—	—	—	—	—	—
Defective Vision	33	—	27	5	4	—
Squint	8	—	7	1	—	—
Other Conditions	—	—	1	—	—	—
EAR—						
Defective Hearing	9	4	16	3	—	1
Otitis Media	—	—	—	3	—	—
Ear Discharge	9	4	2	16	—	—
NOSE AND THROAT—						
Enlarged Tonsils	10	—	6	—	2	—
Adenoids	9	—	2	4	—	—
Enlarged Tonsils and Adenoids ..	13	—	9	2	2	—
Tonsilitis	3	—	1	32	—	—
Other	—	—	1	3	—	—
ENLARGED CERVICAL GLANDS (Non-Tubercular) ..	9	—	16	6	4	—
DEFECTIVE SPEECH	3	—	5	—	—	—
MENTALLY DEFECTIVE	—	—	7	5	—	—
IDIOT	—	—	—	1	—	—
TEETH—						
Carious Teeth	41	—	22	10	—	1
Irregularity	11	—	2	—	—	—
Oral Sepsis	8	—	9	1	—	—
HEART AND CIRCULATION—						
Heart Disease—Organic	10	5	—	1	—	2
" Functional	24	17	3	1	3	—
Anæmia	24	11	14	20	6	—
LUNGS—						
Bronchitis	11	2	4	40	—	—
Other Non-Tubercular Diseases	14	—	6	3	—	—
TUBERCULOSIS—						
Pulmonary—Definite	4	—	—	4	—	19
" Suspected	33	18	2	19	2	—
Non-Pulmonary—						
Glands	4	4	—	3	—	—
Spine	—	—	—	—	—	—
Hip	—	—	—	—	—	—
Bones and Joints	—	—	—	—	—	—
Other Forms	—	—	—	—	—	—
NERVOUS SYSTEM—						
Epilepsy	1	1	2	1	2	—
Chorea	5	5	—	5	5	—
Other Conditions	—	—	3	—	1	—
DEFORMITIES—						
Rickets	—	—	2	—	—	—
Spinal Curvature	1	1	—	—	—	—
Other Forms	—	—	2	—	—	—
INFECTIOUS DISEASES	—	—	—	43	—	—
OTHER DEFECTS AND DISEASES..	4	2	2	12	—	—

FOLLOWING UP.

A large number of visits were made during the year by the School Nurses at the homes of the children in connection with following up (608), uncleanliness and neglect (123).

TREATMENT OF MEDICAL AND DENTAL DEFECTS.

The procedure in regard to following up of defects found on medical inspection has been referred to in previous reports. Altogether, 619 visits were made by the School Nurses in regard to following up, and in addition 112 visits were made in connection with verminous heads.

SCHOOL CLINIC.

Suitable cases in connection with diseases of the nose, throat, eyes and teeth are treated at the Clinic.

From June 1st Dr. Pike was re-appointed for diseases and defects of the eye; Dr. Butler for diseases of the nose, throat and ear; and Dr. Stallard as anæsthetist—in each case for the period of one year. Mr. Quintin Miller was re-appointed dentist from the beginning of July until September 30th.

On October 1st, Mr. Davies commenced his duties under an arrangement with the Herefordshire County Council. Mr. Davies gives one day to the work of the City, which includes inspection and treatment of school children and also of mothers and infants under 5 years attending the Maternity and Child Welfare Centre.

During the earlier part of the year Dr. Ainslie attended the Clinic for diseases of the nose, throat and ear; Dr. Chapman as an anæsthetist; Dr. Pike for diseases and defects of the eye, and Mr. Quintin Miller as dentist.

The particulars in regard to treatment are as follows :—

EXTERNAL DISEASE OF THE EYE.—

<i>Ordinary.</i>			<i>Clinic.</i>	<i>Own Doctor.</i>	<i>Other.</i>	<i>No Treatment.</i>
Entrants	...	...	2	—	—	—
Leavers	...	...	3	—	—	—
Eight Year Group	...	...	6	1	1	—
<i>Specials.</i>						
Boys	...	...	3	—	—	—
Girls	...	...	3	—	—	—

DEFECTIVE VISION.—

ORDINARY.

			<i>Herefordshire General Clinic.</i>	<i>Own Hospital.</i>	<i>Own Doctor.</i>	<i>Victoria Hospital.</i>	<i>No Treat- ment.</i>
Entrants	...	...	4	—	1	—	—
Leavers	...	...	29	1	1	—	—
Eight Year Group	...	...	29	5	1	—	—

SPECIALS.

			<i>Clinic.</i>	<i>Own Doctor.</i>	<i>Herefordshire General Hospital.</i>
Boys	...	...	6	1	—
Girls	...	...	8	—	—

SQUINT.—Five boys (2 Entrants, 1 Eight Year Group, and 2 Specials) and three girls (2 Eight Year Group and 1 Special) were treated ; these children also suffered from defective vision, and are included under this heading.

One girl (Special) with squint attended the Herefordshire General Hospital, and obtained spectacles ; she also suffered from defective vision. The percentage of cases treated is as follows :—

			<i>Ordinary.</i>		<i>Specials.</i>	
			<i>No.</i>	<i>Percentage.</i>	<i>No.</i>	<i>Percentage.</i>
External Disease	...	...	11	100	6	100
Defective Vision	...	...	85	83	15	85
Squint	...	...	12	75	1	100

CLINIC.—Forty-two boys and 45 girls were referred, the particulars are as follows :—

			Boys.	Girls.	Total.
Entrants	...	...	3	1	4
Leavers	...	...	19	14	33
Specials	...	...	12	8	20
Eight Year Group	...	...	8	22	30

Spectacles were ordered in respect of 49 “ Ordinary ” and 14 “ Special ” cases.

Particulars in regard to defects found and treatment are given in the following tables :—

DEFECTS.	Entrants		Leavers.		Specials.		Eight Year Group.		Total.	
	B.	G.	B.	G.	B.	G.	B.	G.	B.	G.
Myopia	—	—	1	2	1	1	2	—	4	3
Hypermetropia	3	1	2	—	1	2	4	3	10	6
Myopic Astigmatism	—	—	1	—	—	—	2	—	3	—
Hypermetropic Astigmatism	—	—	4	4	2	4	6	5	12	13
Mixed Astigmatism	1	—	2	1	1	4	2	—	6	5
Strabismus	2	3	—	—	—	1	—	1	2	5
Blepharitis	1	2	2	3	—	3	1	4	4	12
Corneal Nebulæ	—	—	—	—	—	—	—	—	—	—
Retinitis	—	—	1	—	—	—	—	—	1	—
Other	—	—	—	—	—	1	—	—	—	1

B.—TREATMENT OF VISUAL DEFECT.

NUMBER OF CHILDREN.

REFERRED FOR REFRACTION.	SUBMITTED TO REFRACTION.				For whom glasses were prescribed.	For whom glasses were provided.	Recom- mended for treatment other than glasses.	Received other Forms of Treat- ment.	For whom no treatment was considered necessary.
	Under Local Education Authority's Scheme. Clinic or Hospital.	By Private Practitioner or Hospital.	Other- wise.	Total.					
87	83	4	—	87	63	61	3	3	17

NOSE, THROAT AND EAR.

The number and percentage of cases of the nose, throat and ear medically inspected and treated, was as follows :—

	<i>Ordinary.</i>		<i>Specials.</i>	
	<i>No.</i>	<i>Percentage.</i>	<i>No.</i>	<i>Percentage.</i>
Enlarged Tonsils and Adenoids.	39	62	11	68
Adenoids	9	100	5	100
Ear Disease	8	100	1	100
Deafness	33	100	4	100

CLINIC.—Ninety-two children were treated at the Clinic as follows :—

				<i>Boys.</i>	<i>Girls.</i>	<i>Total.</i>
Entrants				13	11	24
Leavers				13	9	22
Eight Year Group ...				10	14	24
Specials				11	11	22

Altogether 50 operations were performed for the removal of enlarged tonsils and adenoids. The particulars of treatment are as follows :—

ENLARGED TONSILS AND ADENOIDS.

				<i>Clinic.</i>		<i>Own Doctor.</i>	
				<i>B.</i>	<i>G.</i>	<i>B.</i>	<i>G.</i>
Entrants				5	3	2	—
Leavers				2	4	—	1
Eight Year Group ...				3	3	—	2
Specials				3	6	1	1

ADENOIDS.

				<i>Clinic.</i>		<i>Own Doctor.</i>	
				<i>B.</i>	<i>G.</i>	<i>B.</i>	<i>G.</i>
Entrants				1	3	1	—
Leavers				—	—	—	—
Eight Year Group ...				2	1	—	1
Specials				3	2	—	—

In respect of 16 children (4 Entrants, 4 Leavers, 3 Eight Year Group, and 5 Specials) medically inspected previous to 1920, the tonsils and adenoids were removed at the School Clinic.

One boy Entrant and four girls (1 Entrant, 1 Leaver, and 2 Eight Year Group) were seen by their own doctor, and an operation performed.

C.—TREATMENT OF DEFECTS OF NOSE AND
THROAT.

REFERRED FOR TREATMENT.	NUMBER OF CHILDREN.			
	RECEIVED OPERATIVE TREATMENT.			
	Under Local Education Authority's Scheme, Clinic or Hospital.	By Private Practitioner.	Total.	Received other Forms of Treatment.
92	41	9	50	42

EAR DISEASE.

The particulars of treatment of children is as follows :—

			<i>Clinic.</i>		<i>Own Doctor.</i>		<i>Victoria Hospital.</i>	
			B.	G.	B.	G.	B.	G.
Entrants	...	...	3	—	—	1	—	—
Leavers	...	...	15	4	—	—	1	1
Eight Year Group	...	...	4	6	—	—	—	—
Specials	...	...	8	3	—	—	—	—

In the following cases, the children were treated for obstruction due to wax :—

				<i>Clinic.</i>	
				B.	G.
Entrants	...	...	...	2	2
Leavers	...	...	...	6	2
Eight Year Group	...	...	...	1	—
Specials	...	...	...	5	3

Thirteen boys (1 Entrant, 9 Leavers, and 3 Eight Year Group) and 9 girls (2 Entrants, 5 Leavers, 1 Eight Year Group, and 1 Special) had deafness in one ear ; and 9 boys (4 Leavers, 3 Eight Year Group, and 2 Specials) and 3 girls (2 Leavers and 1 Special) had deafness in both ears.

THE TEETH.

The particulars in regard to the teeth of children medically inspected are given on page 48.

A limited number of children were referred after medical inspection, who had decayed or irregular teeth. Particulars of the treatment are as follows :—

DECAYED TEETH.

<i>Clinic.</i>		<i>Own Dentist.</i>		<i>No action taken.</i>		<i>Total.</i>	<i>Percentage treated.</i>
B.	G.	B.	G.	B.	G.		
20	28	1	1	8	6	64	78

IRREGULARITY.

<i>Clinic.</i>		<i>Own Dentist.</i>		<i>No action taken.</i>		<i>Total.</i>	<i>Percentage treated.</i>
B.	G.	B.	G.	B.	G.		
2	4	—	—	1	3	10	60

DENTAL INSPECTION.

The teeth of the children aged 6, 7, 8, and also any children aged 9 years and over, who had previously received treatment, were examined by the School Dentist.

The inspection was made by Mr. Quintin Miller up to October 1st, and after that date by Mr. Davies; 1,602 children (779 boys and 823 girls) were examined.

The following are the particulars in regard to the teeth of the children examined by the Dentist :—

NUMBER EXAMINED.				TEMPORARY TEETH.			PERMANENT TEETH.		
Age.	Boys.	Girls.	Total.	Sound.	Savable	Un-savable.	Sound.	Savable	Un-savable.
5	109	101	210	2750	371	366	957	67	—
6	128	131	259	2956	425	429	754	29	1
7	170	151	321	3528	476	854	1965	116	8
8	139	153	292	2128	439	685	2620	132	19
9	106	71	177	1011	144	453	2045	79	26
10	44	84	128	585	97	278	1761	107	19
11	23	52	75	121	12	66	1159	51	26
12	22	35	57	68	11	51	1134	98	40
13	26	31	57	28	4	27	1311	76	51
14	12	14	26	2	—	3	470	31	12
Totals.	779	823	1602	13,177	1979	3212	14,176	786	202

D.—TREATMENT OF DENTAL DEFECTS.

I.—NUMBER OF CHILDREN DEALT WITH.

	AGE GROUPS.										Spec- ials.	Totals
	5	6	7	8	9	10	11	12	13	14		
Inspected by Dentist ...	210	259	321	292	177	128	75	57	57	26	74	1676
(a) Referred for Treatment ...	4	50	74	120	59	60	33	40	30	24	74	568
(b) Actually treated ...	—	29	38	44	20	30	16	30	14	10	54	285
(c) Re-treated (re- sult of periodical examination ...)	—	—	—	17	9	3	3	4	10	8	—	54

2.—PARTICULARS OF THE TIME GIVEN AND THE OPERATIONS UNDERTAKEN.

No. of half-days devoted to Inspection	No. of half-days devoted to Treatment	Total number of attendances made by the children at the Clinic	No. of Permanent Teeth.		No. of Temporary Teeth.		Total number of fillings	No. of Administra- tions of General Anæsthetics included in Nos. 4 and 6	Operations.	
			Ex- tracted	Filled	Ex- tracted	Filled			Per- ma- nent	Tem- porary
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
22	49	486	148	393	91	32	425	190	541	123

Sixty-two boys (8 per cent.) and 82 girls (10 per cent.) had no decayed teeth.

Treatment for permanent teeth was necessary in the case of 206 boys (27· per cent.) and 256 girls (31· per cent.).

CLINIC.—The number of children treated was as follows :—

			<i>Permanent Teeth.</i>		<i>Temporary Teeth.</i>
Boys	...	...	67	...	16
Girls	...	...	120	...	28

The treatment consisted of the following :—

Extractions of temporary teeth	...	...	63
Extractions of permanent teeth	...	...	127
Temporary teeth filled	...	...	21
Permanent teeth filled	...	...	316

Local Anæsthetics were used in 168 cases.

The fillings were as follows :—

Copper Amalgam	...	...	...	...	186
Copper	...	...	...	...	74
Amalgam and Cement	...	...	...	...	52
Cement	...	...	...	...	35
Root fillings and dressings	...	...	...	...	36

Seventy-four cases were referred after medical inspection. The particulars are as follows :—

			<i>Boys.</i>		<i>Girls.</i>
Entrants	...	...	4	...	3
Leavers	...	...	9	...	13
Eight Year Group	...	...	11	...	15
Specials	...	...	8	...	11

The following work was carried out :—

Temporary teeth extracted	...	...	28
Permanent teeth extracted	...	...	21
Temporary teeth filled	...	...	11
Permanent teeth filled	...	...	77

The fillings were as follows :—

Copper Amalgam	...	...	...	...	48
Amalgam	...	...	...	...	18
Cement	...	...	...	...	12
Dressings	...	...	...	...	8

TABLE IV.—TREATMENT OF DEFECTS OF CHILDREN DURING 1920.

Disease or Defect.	No. of defects found for which treatment was considered necessary.			No. of defects for which no report is available.	No. of defects treated.	Results of treatment.			No. of defects not treated.	Per-centage of defects of defects treated.
	From previous years.	New	Total.			Remedied.	Improved.	Unchanged.		
Clothing ...	1	14	15	...	15	14	...	1	...	100
Footgear ...	...	9	9	...	9	8	...	1	...	100
Cleanliness of Head ...	...	76	76	...	76	27	49	...	...	100
Cleanliness of Body ...	...	2	2	...	2	1	1	...	...	100
Nutrition ...	4	60	64	...	53	...	53	...	11	82
Nose and Throat ...	11	65	76	...	60	50	10	...	16	65
External Eye Disease ...	1	19	20	...	20	20	...	...	...	100
Ear Disease ...	3	8	11	...	11	8	2	1	...	100
Teeth ...	...	74	74	...	70	70	...	...	4	94
Heart and Circulation ...	15	43	58	...	47	...	39	8	11	81
Lung ...	...	25	25	...	20	...	20	...	5	80
Nervous System ...	...	6	6	...	6	...	3	3	...	100
Skin ...	...	246	246	...	246	246	...	...	...	100
Rickets ...	...	...	...	...	...	...	...	...	...	...
Deformities ...	...	1	1	...	1	...	1	...	...	100
Tuberculosis, non-pulmonary.	...	4	4	...	4	...	3	...	1	100
Speech ...	...	5	5	...	5	...	5	...	...	100
Mental condition ...	...	12	12	...	...	...	...	...	12	100
Vision and Squint ...	10	87	97	...	87	63	24	...	10	89
Hearing ...	3	33	36	...	36	30	6	...	...	100
Miscellaneous ...	...	39	39	...	39	38	1	...	...	100
Infectious Disease ...	...	43	43	...	43	43	...	...	...	100
	48	871	919		849	618	217	14	70	83.9

TABLE V.

(1)	The total number of children medically inspected (whether Code Group or Special)	1730
(2)	The number of children in (1) suffering from defects (other than uncleanness or defective clothing or footgear) who require to be kept under observation (but not referred for treatment) ...	139
(3)	The number of children in (1) who were referred for treatment (excluding uncleanness, defective clothing, etc.)	760
(4)	The number of children in (3) who received treatment for one or more defects (excluding uncleanness, defective clothing, etc.)	525

REMAINING CASES.

Particulars in regard to Diseases of the Lungs, Heart and Circulatory System, Nervous System, Skin, etc., are given in Table IV., on page 64.

INSPECTION CLINIC.

Nine hundred and ninety-eight children (469 boys and 529 girls) were examined during the year, including 291 children (161 boys and 130 girls) previously medically inspected. Particulars in regard to treatment are given in Table II, page 54.

Treatment of skin disease, minor ailments, external diseases of the eye, and diseases of the ear was carried out. The particulars are given in Table A.

A.—TREATMENT OF MINOR AILMENTS.

DISEASE OR DEFECT.	NUMBER OF CHILDREN TREATED.			
	Referred for Treatment.	Under Local Education Authority's Scheme.	Other-wise.	Total.
SKIN—				
Ringworm—Head	45	42	3	45
Ringworm—Body	8	8	—	8
Scabies	17	17	—	17
Impetigo	62	60	2	62
Minor Injuries	27	27	—	27
Other Skin Diseases	115	115	—	115
Ear Disease	25	21	4	25
Eye Diseases (External and other)	28	26	2	28
Miscellaneous	39	39	—	39

MENTALLY AND PHYSICALLY DEFECTIVE CHILDREN.

Particulars are given in Table III on page 67.

BLIND.—A boy, aged 15½ years, is at the Swansea and South Wales Institute for the Blind.

DEAF AND DUMB.—A boy, aged 9 years, is at the Royal Institution, Manchester.

MENTALLY DEFECTIVE.—A boy, aged 14 years, is at the Hopwell Hall Institution, and a girl, aged 10 years, at Allerton Priory, Woolton, near Liverpool.

There are still 15 boys and 10 girls attending the Elementary Schools, the ages are as follows :—

	Ages.	7	8	9	10	11	12	13	14	Total.
Boys ...	1	1	1	5	3	2	2	—	—	15
Girls ...	—	1	5	1	1	2	—	—	—	10

IDIOTS.—There are two children, a boy aged 13 and a girl aged 13 years.

IMBECILES.—One boy, aged 14 years.

EPILEPSY.—There are no children attending Certified Schools.

Two boys, aged 10 and 13 years, and three girls, aged 6, 9 and 13 years, are attending the Elementary Schools.

Two boys, aged 9 and 13 years, and two girls, aged 10 and 11 years, are temporarily excluded from school.

PULMONARY TUBERCULOSIS.—There are 16 boys and 17 girls at school, the ages are as follows :—

	Ages.	7	8	9	10	11	12	13	14	Total.
Boys ...	1	1	3	1	3	3	1	3	—	16
Girls ...	1	—	3	2	4	3	4	—	—	17

In the majority of the cases there is no expectoration, and the children are in a very early stage of the disease.

Four boys and seven girls are excluded from school, the ages are as follows :—

	Ages.	7	8	9	10	11	12	13	14	Total.
Boys ...	—	—	1	—	—	—	—	3	—	4
Girls ...	2	—	—	—	1	—	—	4	—	7

OTHER FORMS OF TUBERCULOSIS.—Three boys, aged 9 (2) and 10 years, and five girls, aged 9, 11 and 13 years (3), who suffered from Tubercular Glands of the neck, were temporarily excluded, but have now returned to school. Two children (a boy, aged 9 years, and a girl, 11 years), suffering from spinal disease, also attend school. A boy aged 11 years, suffering from Tubercular Peritonitis, does not attend school. A boy, aged 13 years, suffering from the after effects of Meningitis, has been permanently excluded from school.

CRIPPLES OTHER THAN TUBERCULAR.—Six boys, aged 6, 10 and 13 years (3), and a girl, aged 12 years, have Infantile Paralysis ; the girl has Talipes Equino-varus, and wears a special boot.

TABLE III.

		Boys.	Girls.	Total.
BLIND (INCLUDING PARTIALLY BLIND)	...	...	...	...
	Attending Public Elementary Schools...	...	...	...
	Attending Certified Schools for the Blind	...	...	...
	Not at School	...	...	...
DEAF AND DUMB (INCLUDING PARTIALLY DEAF).	...	...	...	...
	Attending Public Elementary Schools	...	...	...
	Attending Certified Schools for the Deaf	...	...	...
	Not at School	...	...	...
MENTALLY DEFICIENT—	...	...	...	...
	Feeble minded	...	...	...

	Imbeciles	...	...	...

	Idiots	...	...	...

EPILEPTICS	...	...	...	...

PHYSICALLY DEFECTIVE—	...	...	...	...
	Pulmonary Tuberculosis	...	...	...

	Other Forms of Tuberculosis	...	...	...

	Cripples other than Tubercular	...	...	...

DULL or BACKWARD (judged according to age and standard)	...	...	...	...
	Retarded two years	...	...	...
	Retarded three years	...	...	...

AFTER HISTORY OF MENTALLY AND PHYSICALLY DEFECTIVE CHILDREN.

The following particulars have been obtained :—

MENTALLY DEFECTIVE.

A girl, aged 16 years, who returned home from St. Rose's Special School, Stroud, in 1920, is not following any occupation.

A boy, who left Littleton House, Uxbridge, in September, 1913, was employed at the King's Acre Nurseries up to 1916; at present he is not following any occupation, but is learning basket-making in a small way.

EPILEPTIC.

A boy, aged 14½ years, who left school at the end of 1920 is now employed as an errand boy, and is earning 7s. 6d. a week.

Another boy, aged 19 years, who returned from Stanthwaite Colony, Kendal, in 1918, is now at Lingfield Epileptic Home, Surrey, the case having been dealt with by the Poor-law Guardians.

A girl, who returned from Chalfort Epileptic Colony in 1918, is now doing housework at home.

JUVENILE EMPLOYMENT.

Reference is made to this matter on pages 79, 80, Annual Report for 1919.

An Advisory Committee for Juvenile Employment was set up in November, 1919, and meetings are held monthly.

I have given information in regard to the health of every child dealt with at the Labour Exchange from the latest medical inspection returns, and in the few cases where the children have not been recently medically inspected, a special examination of the child has been made at the Inspection Clinic, Town Hall.

On the card which is furnished to me, the suggested occupation is stated, and in certain cases I have been able to suggest a more suitable occupation from a health point of view.

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TABLE IV.
HEREFORD URBAN DISTRICT.

Infantile Mortality during the year 1920.

**Deaths from stated causes in Weeks and Months
under One Year of Age.**

CAUSES OF DEATH.				Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 4 weeks.	4 weeks & under 3 months.	3 months & under 6 months.	6 months & under 9 months.	9 months & under 12 months.	Total Deaths under 1 year.
All Causes	{	Certified ...	...	7	3	...	5	15	11	5	4	1	36
		Uncertified	...	1	...	2	...	3	...	...	...	...	3
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	1	...	...	1
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...	...	...
Tubercular Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...
General Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (<i>not Tuberculous</i>)	...	...	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	3	...	...	1	4	2	...	...	...	6
Bronchitis	...	...	...	1	...	1	1	3	3	1	1	...	8
Pneumonia (<i>all forms</i>)	...	...	...	...	1	...	...	1	...	2	1	1	5
Diarrhœa	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteritis	...	...	...	...	...	...	2	2	...	...	...	...	2
Cerebral Thrombosis	...	...	...	...	...	...	...	...	...	1	...	...	1
Syphilis	...	...	...	...	...	...	1	1	...	...	...	...	1
Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlying	...	...	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...	...	...
Atelectasis	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations	...	...	...	3	...	...	...	3	2	...	1	...	6
Premature Birth	...	...	...	1	...	...	...	1	...	...	...	...	1
Atrophy, Debility and Marasmus	...	...	...	...	2	1	...	3	3	...	1	...	7
Heart Disease	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza	...	...	...	...	...	...	...	...	...	...	...	...	...
Drowning	...	...	...	...	...	...	...	...	...	...	...	...	...
Icterus Neonatorum	...	...	...	...	...	...	...	...	1	...	...	...	1
TOTALS	...	...	...	8	3	2	5	18	11	5	4	1	39

Nett

Births in the year.

Nett

Deaths in the year.

Legitimate, 515.

Illegitimate, 42.

Legitimate Infants, 35.

Illegitimate Infants, 4.

TABLE A.

CITY OF HEREFORD.

DEATHS OF RESIDENTS FROM ALL CAUSES, 1920.

	AGES IN YEARS.											TOTALS.	WARDS.					
													Ledbury.	Leominster.	Month-			
	0 to 1	1 to 2	2 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 to 75	75 to 85	85 & up.	All ages.	M.	F.	
I.—GENERAL DISEASES.																		
1.—ZYMOTIC DISEASES.																		
Measles	1	...	1	1	...	...	...	...	...	...	...	...	...	...	2	1	2	...
Whooping ... ..	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	1	...
Diphtheria ... ..	...	...	...	...	...	...	1	...	...	2	...	...	...	...	1	1	1	...
Influenza ... ..	...	...	...	...	...	3	2	...	...	3	1	...	...	...	6	8	14	...
2.—TUBERCULAR DISEASES.																		
Pulmonary Tuberculosis (Phthisis)	...	...	2	...	...	...	...	...	...	...	...	...	...	...	2	1	3	...
Tuberculous Meningitis	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1	2	...
Tuberculosis of Spinal Column	...	...	...	...	...	...	2	...	...	...	...	...	...	...	1	1	2	...
Disseminated Tuberculosis ...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	1	1	2	...
3.—CANCER.																		
Buccal Cavity ... ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	2	...	2	...
Oesophagus ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Stomach ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	6	...
Omentum ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Liver ... ..	...	...	...	...	...	...	...	...	1	2	...	3	...	...	...	3	7	...
Peritoneum, Intestines and Rectum	...	...	...	...	...	...	...	...	...	...	1	2	...	...	4	3	7	...
Female Genital Organs (Uterus) ...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	3	3	...
Breast ... ..	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	...	4	...
Throat ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Unspecified ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
4.—CONSTITUTIONAL DISEASES.																		
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	...
Rheumatoid Arthritis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...
Exophthalmic Goitre ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Periculous Anæmia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
II.—DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.																		
Meningitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebral Hæmorrhage (Apoplexy) ...	...	...	...	...	...	...	...	...	1	3	5	6	...	...	1	16	20	...
Hemiplegia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4	1	3	...
Infantile Convulsions	6	...	...	...	...	...	...	...	...	...	...	...	...	...	4	2	6	...
Mastoiditis ... ..	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	...
III.—DISEASES OF THE CIRCULATORY SYSTEM.																		
Myocarditis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Rheumatic Endocarditis ... ..	...	...	...	...	...	1	...	...	1	...	...	...	...	...	1	1	2	...
ORGANIC DISEASE OF THE HEART.																		
Valvular Disease ... ..	...	...	...	...	...	...	1	...	1	1	3	11	3	...	7	14	21	...
Fatty Degeneration ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...
Other Organic Disease ... ..	...	...	...	...	...	...	...	...	...	...	2	10	9	...	11	21	32	...
Arterial Sclerosis ... ..	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	2	...
Cerebral Thrombosis	1	...	...	...	...	...	...	...	...	...	...	2	...	...	3	...	3	...
IV.—DISEASES OF THE RESPIRATORY SYSTEM.																		
Acute Laryngitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Bronchitis	8	2	2	...	1	...	...	...	...	...	...	...	...	...	18	22	40	...
Broncho-Pneumonia	3	...	...	1	...	...	...	...	...	...	...	...	...	...	5	4	9	...
Double Pneumonia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Pneumonia (type not stated)	2	1	...	1	...	...	...	...	1	...	1	1	...	...	4	3	7	...
Pleurisy ... ..	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Congestion of Lungs ... ..	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Asthma ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
V.—DISEASES OF DIGESTIVE SYSTEM.																		
Perforating Ulcer of Stomach ... ..	...	...	...	...	...	...	...	...	1	...	2	...	...	...	1	1	2	...
Inflammation of Stomach ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2	...
Diarrhoea (not infective)	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...
Gastro-Enteritis	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Duodenal Ulcer ... ..	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	1	1	...
Appendicitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	3	...
Intestinal Obstruction ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	2	...
VI.—NON-VENEREAL DISEASE OF THE GENITO-URINARY SYSTEM AND ANNEXA.																		
Acute Nephritis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nephritis (unqualified, 10 years and over)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enlargement of Prostate ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	2	5	...
Uterine Fibroid ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Suppurating Cyst of Ovary ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
VII.—THE PUERPERAL STATE.																		
Anæmia Miscarriage ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Fever ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pulmonary Embolism ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	1	...
VIII.—DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.																		
Gangrene of Toes ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
Cellulitis ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	2	...
IX.—DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.																		
X.—MALFORMATIONS.																		
Congenital Malformation of Heart ...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	3	1	4	...
Other Congenital Malformations ...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	1	...
XI.—DISEASES OF EARLY INFANCY.																		
Premature Birth	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Infantile Atrophy, Debility, Marasmus	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	6	8	...
Icterus Neonatorum	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	...
XII.—OLD AGE.																		
Senile Decay ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
XIII.—AFFECTIONS PRODUCED BY EXTERNAL CAUSES.																		
Suicide by Poison (Arsenic) ... ..	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
Suicide by Hanging ... ..	...	...	...	...	...	...	...	...	2	...	...	...	...	...	2	1	3	...
Suicide by Drowning ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Burns ... ..	...	...	...	...	...	...	...	...		



RECEIVED BY THE CITY OF Haverford, Pa. 1900

CITY OF Haverford

1900

